

iPAQ Data Messenger

Product Guide




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1 Welcome to your HP iPAQ

Welcome and congratulations on the purchase of your HP iPAQ Data Messenger!


This Product Guide provides you with the instructions necessary to set up, use and enjoy your new HP iPAQ. Please read the user instructions contained in this Product Guide before using your HP iPAQ. This Product Guide will give you a comprehensive understanding of all the features and functions available in your HP iPAQ Data Messenger and enables you to use them to its fullest potential.

 **NOTE:** In addition to the instructions contained in this HP iPAQ Getting Started Guide, you can find further product information at <http://www.hp.com/support>.

Register your new HP iPAQ with Hewlett-Packard to perform the following tasks:

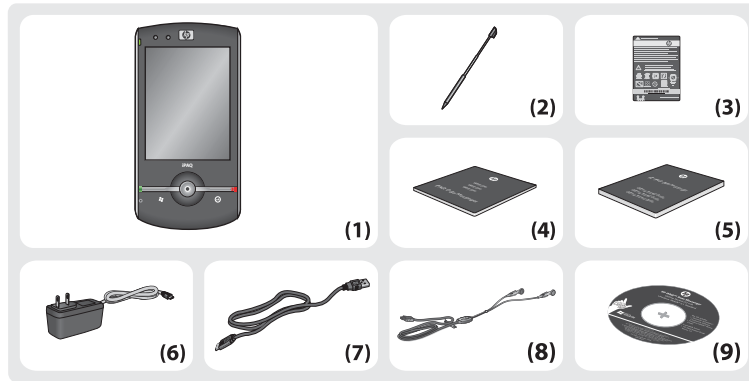
- Access support and services, and get the most out of your HP products.
- Sign up for free support alerts, software updates, and personalized newsletters.

Visit <http://www.register.hp.com> to register your HP iPAQ or to update your postal or e-mail address after registration. You are required to enter your user ID and registration password to edit your online profile. After registering your HP iPAQ, you will receive an e-mail message about special offers and promotions.

 **NOTE:** Registration is not supported in all countries/regions.

2 Box contents

The following items are included in the box with your HP iPAQ.

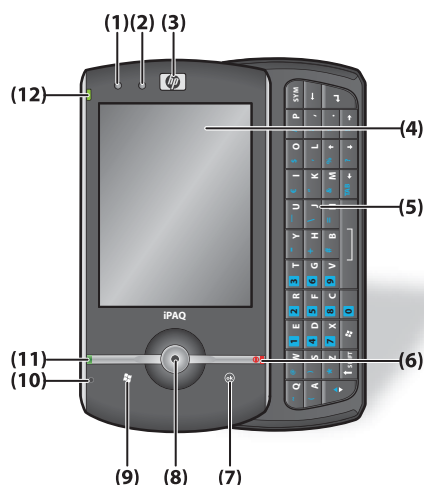


(1)	iPAQ Data Messenger
(2)	Stylus NOTE: Turn the HP iPAQ around to view the back panel. The stylus is located on the back panel at the bottom-right corner of your HP iPAQ.
(3)	1140 mAh Lithium-polymer removable/rechargeable battery
(4)	<i>Welcome Guide</i>
(5)	<i>Getting Started Guide</i>
(6)	AC adapter NOTE: The AC adapter shipped with your HP iPAQ might vary depending on the country/region.
(7)	Micro-USB synchronization cable
(8)	2.5 mm wired stereo headset
(9)	Getting Started CD with additional software

3 Components

To use your HP iPAQ to its full potential, identify components and learn about its functions.

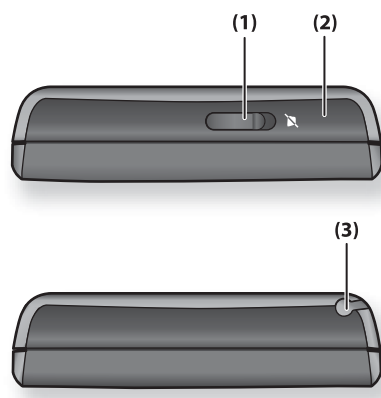
Front panel components



Component	Description	Function
(1)	Proximity Sensor	This component detects when the phone is in use, and then locks the screen and turns off the screen backlight.
(2)	Light Sensor	This component sets the keyboard backlight to the ambient light settings as per the surrounding light conditions.
(3)	Receiver	Use to listen to phone calls, sounds, and notifications.
(4)	Touch-screen Display	Use to view the on-screen contents. Use the stylus to select items, navigate menus, change feature settings, and play games.
(5)	QWERTY Keyboard	Use keys on the keyboard to enter text or dial numbers. NOTE: The keyboard layout might vary depending on the country/region.
(6)	End/Power Key	Press to end a phone or data call. Press and hold for 1 second to put your HP iPAQ into suspend mode, or to wake it up if it is already in suspend mode. Press and hold for 5 seconds to turn on and off the HP iPAQ.
(7)	ok Key	Press to confirm your selection, click the ok button, or click the close window icon in the upper-left corner of the screen.
(8)	5-Way Optical Navigation with Center Select button	Navigate up, down, left, and right on the screen with the 5-way optical navigation. Scroll by sliding your thumb or finger in the direction you want. Press the Center Select button to select the item highlighted on the screen.

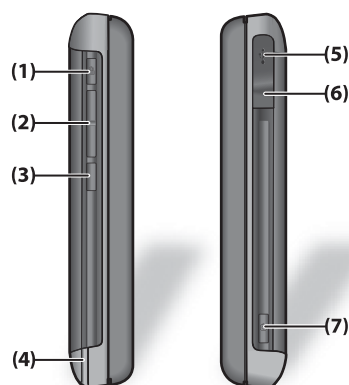
Component	Description	Function
(9)	Windows Key	Press to open the Start menu on the screen.
(10)	Microphone	Use for phone conversations, voice notes, or voice commands.
(11)	Answer/Send Key	Press to answer a call, send an SMS, or view the Dialer screen.
(12)	LEDs	<p>View to check the battery, network, or device status.</p> <ul style="list-style-type: none"> • Solid red – Charging • Flashing red <ul style="list-style-type: none"> ◦ Continuous – Low battery ◦ 3 times only – Unable to charge ◦ 3 times, repeating every 5 seconds – Battery temperature too high • Solid green – Battery fully charged and connected to power source • Flashing amber – Network not detected or SIM card missing

Top and bottom panel components



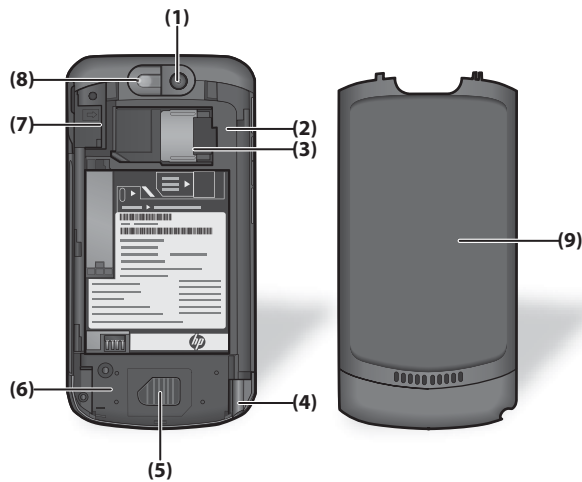
Component	Description	Function
(1)	Ringer/Sound Switch	Use to switch off incoming call rings and system notification alert sounds.
(2)	GPS Antenna	<p>This component detects GPS signals.</p> <p>NOTE: This component will not be visible externally.</p>
(3)	Stylus	<p>Use to select elements on the screen and input information.</p> <p>Slide down to remove the stylus.</p> <p>Slide up to place the stylus.</p>

Left and right side components



Component	Description	Function
(1)	Key Guard	Press to enable Key Guard . Key Guard will disable buttons and the touchscreen on your HP iPAQ to avoid any accidental calls.
(2)	Volume Up/Down Key	Press to increase or decrease the volume. Press once to temporarily mute the ringtone and notification sounds.
(3)	Messaging	Press to launch Messaging .
(4)	Stylus	Use to select elements on the screen and input information.
(5)	Micro-USB Connector	Use to connect the Micro-USB charging/synchronization cable. NOTE: Open the protective flap to gain access to the slot.
(6)	Stereo Headphone Jack (2.5 mm)	Use to connect headphones. NOTE: Open the protective flap to gain access to the slot.
(7)	Camera Key	Use to launch the camera to capture photos and videos.


Back panel components



Component	Description	Function
(1)	3.1 Megapixel Camera	Use the 3.1 megapixel camera to take pictures. Do not cover the lens while taking pictures.
(2)	Bluetooth and Wi-Fi Antenna	Detects Bluetooth and Wi-Fi signals. NOTE: This component will be visible externally.
(3)	SIM Card Slot	Insert a SIM card with the metal contacts facing down to make and receive calls.
(4)	Stylus	Use to select elements on the screen and input information. Slide down to remove the stylus. Slide up to place the stylus.
(5)	Speaker	Use the speaker to listen to music or as a speakerphone.
(6)	WCDMA Antenna	Detects WCDMA signals. NOTE: This component will be visible externally.
(7)	MicroSD Slot	Insert a Micro Secure Digital (microSD) storage card with the label-side up for data storage. NOTE: Open the back cover to gain access to the slot.
(8)	Camera Flash LED	Use the camera flash LED to illuminate your subject while you capture photos.
(9)	Back Cover	Covers the battery, SIM card, and microSD card. For more information about installing these components, see Set up your HP iPAQ on page 7 and Storage cards on page 61 .

4 Set up your HP iPAQ

Follow these steps to set up and use your HP iPAQ. Carefully remove your HP iPAQ and all the components from the box before beginning to set up your HP iPAQ.

 **NOTE:** Placing the screen on hard surfaces can cause scratches on the screen.

Step 1: Remove the battery cover and insert the SIM card

1. Slide the cover down and away from the HP iPAQ.





2. Align the SIM card over the SIM card slot.



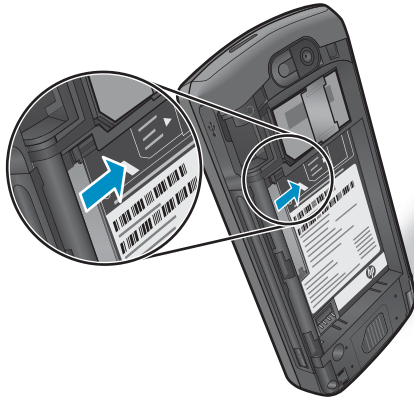
3. Slide the SIM card into the SIM card slot.



 **NOTE:** A service provider supplies the SIM card.

If the battery is already inserted, remove it before inserting the SIM card. Also, make sure that the metal contacts are facing down and the notched corner is in the correct position. If the SIM card is not correctly inserted in the HP iPAQ and you turn on the HP iPAQ, the  (No SIM card installed) icon appears in the title bar at the upper-right corner of the screen.

4. Slide the switch, located over the battery, towards the right to lock the SIM card.



Step 2: Install the battery and replace the battery cover

1. Align the battery connectors on the battery with the housing pins in the battery compartment, and insert the battery.



2. Place the battery cover down and slide up until it locks into place.



Step 3: Charge the battery

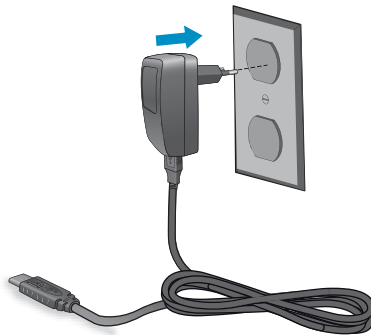
- △ **CAUTION:** To avoid damaging your HP iPAQ or the AC adapter, make sure that all the metal connectors are correctly aligned before connecting.

The battery provides power for your HP iPAQ to operate. Use the AC adapter to charge the battery inside your HP iPAQ.

It takes approximately 2 to 4 hours to fully charge the battery for the first time. Charging might take more time when the HP iPAQ is connected to a powered computer or with non-HP accessories.

To charge the battery:

1. Connect the AC adapter (input: 100-240VAC, 47-63Hz, output: 5VDC, 1A) to an electrical outlet.




2. Open the protective flap on the HP iPAQ.




3. Connect the other end of the cable to the Micro-USB connector port on your HP iPAQ. The cable connector only fits one way. If the connector does not insert easily, turn it over.




 **TIP:** Charge the battery by connecting your HP iPAQ to a USB port on your computer through the Micro-USB synchronization cable. The Microsoft® ActiveSync® or WMDC program appears on the screen if you connect your HP iPAQ to a computer that has the software already installed on the computer.

To enable USB charging on your HP iPAQ, tap **Start > Settings > System > Power > USB Charging**. On the **Power** screen, select the **Use USB Charging** check box, select the **Fast Charging** option, and then tap **ok**.

Step 4: Turn on your HP iPAQ

Press and hold the  (End/Power) key for five seconds to turn on your HP iPAQ. Follow the instructions on the screen to complete the setup. Tap the keyboard icon on the screen to use the on-screen keyboard. Alternatively, you can use the keyboard to specify information. To learn more about keyboard use, see [Step 6: Use the keyboard on page 11](#).

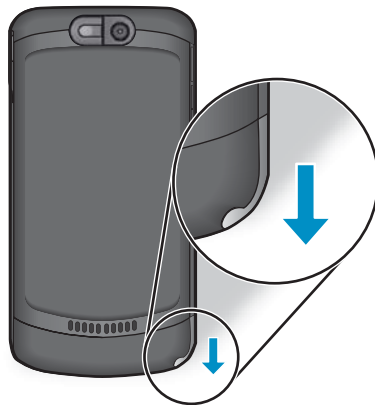
 **NOTE:** The HP iPAQ will take a few minutes to become fully functional. The keyboard will not be active during this period.

Step 5: Locate the stylus

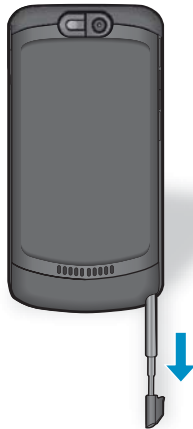
You can use the stylus to tap and enter text using the on-screen keyboard. You can also use the stylus to tap and select items on the screen.

To remove the stylus:

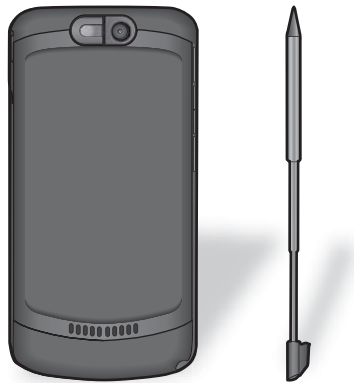
1. Locate the stylus on the back of your HP iPAQ.




2. Push down to extend the stylus.




3. Pull the stylus out of the device.



 **NOTE:** Push the stylus back in to replace it after you finish using it.

Step 6: Use the keyboard

Your HP iPAQ is equipped with a full QWERTY keyboard. Slide out the keyboard to enter text, numbers, and symbols on your HP iPAQ. The on-screen content automatically switches to the landscape view. Slide the keyboard into the HP iPAQ to return to the portrait view.

 **NOTE:** The keyboard layout might vary depending on the country/region.

- ▲ Slide the lower half of your HP iPAQ towards the right to view the keyboard to view the keyboard.



- ▲ Slide the lower half of your HP iPAQ towards the left to close the keyboard.



The position in which the keys are arranged on your HP iPAQ might differ according to your country/region. The different keyboard layout appear in the following table.

Keyboard layout

QWERTY layout



QWERTZ layout



AZERTY layout



5 Get started with your HP iPAQ

Learn about the **Today** screen and the **Getting Started** program.

The Today screen


The **Today** screen is your base to check for date and time, upcoming appointments, missed calls and numbers, and unread e-mail and text messages. Connectivity icons, a volume indicator, and the battery charge are displayed at the top of the **Today** screen.

You can view and access the following features and information from the **Today** screen:

- **Date and Time** – View the current date and time. Tap to access the clock and alarm settings. For more information, see [Set alarms and clocks on page 25](#).
- **Owner Information** – View your information stored on your HP iPAQ. Tap to edit the information. For more information, see [Specify owner information on page 20](#).
- **Calendar** – View upcoming appointments. Tap to launch the **Calendar** program. For more information, see [Calendar on page 52](#).
- **Messaging** – View number of new e-mail messages received. Tap to launch the e-mail program. For more information see [Messaging on page 42](#).
- **Getting Started** – Tap to learn how to perform frequently used tasks and to set up your HP iPAQ. For more information, see [Launch Getting Started on page 13](#).
- **Tasks** – View scheduled tasks. Tap to launch the **Tasks** program. For more information, see [Tasks on page 54](#).
- **Wireless Manager** – View the Wi-Fi and Bluetooth status. Tap to launch **Wireless Manager**. For more information, see [Use Wireless Manager on page 65](#).

To customize the **Today** screen:

1. Tap **Start > Settings > Personal > Today**.
2. On the **Appearance** tab, select the required theme for the background of the **Today** screen.
3. On the **Items** tab, select the items to display on the **Today** screen.
4. Tap **ok**.













































 **TIP:** To move the order in which the items appear, tap an item to select it, and then tap **Move Up** or **Move Down**.

Launch Getting Started

Use **Getting Started** to learn how to complete tasks and to set up your HP iPAQ. To launch the program, tap **Getting Started** on the **Today** screen or tap **Start > Programs > Getting Started**. Tap the task that you want to learn about.



Status icons

Your HP iPAQ displays status icons on the screen. The following table shows the common status indicators and what they mean.

Icon	Status	Icon	Status
	Missed call		Voice call active
	Call on hold		No SIM card installed
	SIM card fault		New Voice mail
	New e-mail or SMS		Instant message received
	Battery level low		Battery charging
	Battery level		Vibrate mode on
	Silent mode on		Speakerphone on
	Wi-Fi on		Wi-Fi on and network detected
	Wi-Fi connected		Mono headset detected
	Stereo headset detected		Roaming
	General Packet Radio Service (GPRS) available		GPRS available in roaming
	GPRS connecting		GPRS in use
	Enhanced Data Rates for GSM Evolution (EDGE) available		EDGE available in roaming
	EDGE connecting		EDGE in use
	GSM service only		Phone connection unavailable or network error
	Radio off		3G service available
	3G connecting		3G in use
	High Speed Download Packet Access (HSDPA) service available		HSDPA connecting
	HSDPA in use		Alarm reminder
	Notification received		Power Save Mode on
	ActiveSync connected		ActiveSync inactive
	Bluetooth connected		High Speed Uplink Packet Access (HSUPA) service available

Use the touch screen display

Your HP iPAQ has a touch screen. Use the stylus on the touch screen display to select items, navigate menus, change feature settings, and play games. Tap an option on the screen to select the item. Tap and hold to view the shortcut menu. Tap, hold, and drag a scroll bar to navigate within a window. You can also draw and write text using the **Notes** program.

 **TIP:** Tap  to display the online keyboard. Tap a text box and tap the letters on the keyboard to enter text. Change the text input method to suit your requirements. For more information, see [Use the on-screen keyboard on page 17](#).

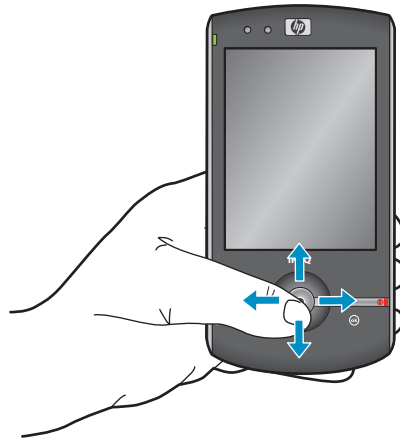
When you start your HP iPAQ for the first time you need to configure the HP iPAQ settings. Use the stylus to tap and enter the required settings. The settings also prompt you to align the screen for screen taps. Follow the on-screen instruction to align the screen. For more information about screen alignment, see [Customize screen settings on page 22](#).

Use shortcut menus

A shortcut menu is displayed when you tap and hold an item. This menu displays the most common commands for a specific item. For example, you can delete an appointment or send a text message to a contact by using commands on a shortcut menu. When the shortcut menu is displayed, tap the action you want to perform.

To close a shortcut menu without performing an action, tap anywhere outside the menu.

Use the 5-way optical navigation



Use the 5-way optical navigation to navigate within your display, e-mail, messages, menus, and settings, and to select items, change feature settings, or play games. Scroll by moving your thumb or finger over the optical navigation up, down, left, or right, moving in the direction you want to scroll.




Press the **Center Select** button to make a selection on the screen.



Use the main buttons on the HP iPAQ

Use the keys on your HP iPAQ to perform basic tasks, such as entering text or opening a program. See [Components on page 3](#) to identify the keys. Slide out the keyboard to type information, commands, and messages.


Answer/Send key

Press the  (Answer/Send) key to access the **Dialer** screen as well as make and receive calls. You can also use this key to access the recent-call log.

End/Power key



Press the  (End/Power) key to end a call and the **Dialer** screen. Press and hold for 1 second to put your device in suspend mode or activate it from the suspend mode. Press and hold the  (End/Power) key for about five seconds to turn your HP iPAQ on or off.

Windows key

Touch the  (Windows) key to access the **Start** menu. You can then open the installed programs and software from the **Start** menu.

The **Start** menu lists shortcuts to programs and also displays a list of the recently used programs.

ok key

Touch the  (ok) key to confirm a selection. You can also touch the  (ok) key to close certain programs or move a program to the background.

Volume up/down keys

Press the volume up/down key to increase or decrease the volume on your HP iPAQ.


Camera key

Press the Camera key to launch the camera. You can use the camera to click photographs and record video clips. For more information, see [Camera on page 56](#).



Keyboard

Use the keyboard to enter text, numbers, and symbols. The alphabets are arranged using the format that is similar to a computer keyboard.





 **NOTE:** The keyboard layout of your HP iPAQ might differ according to your country/region. For the different keyboard layouts, see [Step 6: Use the keyboard on page 11](#).





Enter key

Select a program and then press the  (Enter) key to launch a program on any screen. You can also make a call or move to the next line while entering text by pressing the  (Enter) key.





Backspace key

Press the  (Backspace) key to move the cursor back while progressively deleting the text or characters. When browsing Web pages using Internet Explorer®, navigate to the previous Web page by pressing the  (Backspace) key when the cursor is not in the input field.


Shift key


Press this key to enter the associated character. To enter characters in uppercase, press the  (Shift) key, and then press the appropriate keyboard alphabet key. Press the  (Shift) key twice to turn on caps lock. The on-screen keyboard indicator displays the  (Shift lock) icon to indicate that characters will appear in uppercase. Press the  (Shift) key once to disable caps lock and toggle to enter lowercase characters.

Options key

Some keys have characters marked as superscript. To enter the superscript character, press the  (Options) key and then press the appropriate character key. Press the  (Options) key twice to enable function lock. The on-screen keyboard indicator displays the  (Options lock) icon to indicate that superscript characters will be entered. Press the  (Options) key once to disable function lock and toggle back to enter main characters.

Symbol key

You can press and hold the  (Sym) key to view the symbol table on the screen. You can then navigate through and select the symbol from the table.

In addition, pressing the  (Sym) key after entering a letter will scroll through different options for that letter.

Use the on-screen keyboard

Based on your preference, you can use the on-screen keyboard or a handwriting-recognition feature such as **Block Recognizer**, **Keyboard**, **Letter Recognizer**, **Symbol**, or **Transcriber** to enter text.



NOTE: Transcriber is not available in all countries/regions.


To select the type of on-screen text input:

1. Tap **Start > Settings > Personal > Input**.
2. On the **Input Method** tab, select a text input method and change options as appropriate.
3. Tap **ok**.

You can now go to a program (such as **Notes**) and start entering text.

Text-Input Method	Definition
Block Recognizer	Use a single stroke to write letters, numbers, symbols, and punctuation marks that are converted into typed text.
Keyboard	Tap keys on the keyboard to enter text.
Letter Recognizer	Write individual letters, numbers, and punctuation marks that are converted into typed text.
Symbol	Tap to select and enter symbols from the table.
Transcriber	Write in cursive, print, or mixed handwriting (consisting of both cursive and print), and convert your writing into typed text. NOTE: This feature might not be available in all countries/regions.



TIP: Change the text-input method from within any program by tapping the  (Input selector) arrow and selecting an input method.

Label	Description
ABC	Press a text-entry key on the keyboard to enter the character you want.
123	Enter numbers and symbols using this mode.

Use Key Guard

The **Key Guard** program deactivates your HP iPAQ keys and touch screen to prevent accidental activation of the HP iPAQ or any of its functions. When the display turns off or times-out as per the display settings, this feature automatically locks your HP iPAQ. To set the backlight time-out, see [Adjust the brightness settings on page 23](#).


Press and hold the **Key Guard** button, the first button on the left panel, for two seconds to lock your HP iPAQ. When your HP iPAQ is locked, the **Key Guard is on. Center Button: To Unlock** message is displayed on the screen. The display turns off after five seconds and your HP iPAQ goes into sleep mode.

To unlock your HP iPAQ, press any key to activate your HP iPAQ from sleep mode, and then press the **Center Select** button.



NOTE: To activate the Key Guard after you close the keyboard, press the **Key Guard** button or put your device in the sleep mode.

NOTE: When you receive a call, the **Key Guard** remains active and allows you to answer or ignore a call.

To dial an emergency number when the **Key Guard** is active, enter the emergency number using the keyboard with less than 5 seconds delay. Press the  (Answer/Send) key to place the call. Press any other key to clear the digit(s) entered.

When you dial an emergency number, it is verified against the emergency number list in your SIM card and the HP database registry. If the entered number is not recognized as an emergency number, you will not be able to dial the number.

Know your device

View your HP iPAQ to find the serial number and operating system information. Launch and use the different programs installed on your HP iPAQ to increase your productivity and help you with your day-to-day tasks.

Find information about your HP iPAQ

You can use your HP iPAQ to retrieve its own serial number and model number. You can also obtain information about the hardware and the software installed on your HP iPAQ.

To view the serial number

1. Tap **Start > Settings > System > HP Asset Viewer**.
2. Tap the **Identity** tab to view the serial number.
3. Tap **ok**.

To view the model number

1. Tap **Start > Settings > System > HP Asset Viewer**.
2. Tap the **System** tab to view the model number on your HP iPAQ
3. Tap **ok**.

You can also look at the HP iPAQ itself to find the serial number and model number.

1. Remove the battery cover.



2. Remove the battery.



3. Locate the label affixed to the back of your HP iPAQ under the battery. This label shows the product ID and serial number.

To get detailed information about your HP iPAQ:

- ▲ Tap **Start > Settings > System > About**.

Important device information, including the type of processor and the amount of memory installed, is displayed on the screen.

Access programs

You do not need to exit a program to open another. To open a program, tap **Start**, and then tap the program you want from the list. If you do not see the program you want, tap **Start > Programs**.

To close a program:

1. Tap **Start > Settings > System > Task Manager**.
2. Tap the program you want to close and tap **End Task**.

View the operating system (OS) information

In addition to OS information, you can view processor, memory, and expansion slot information on your HP iPAQ.

To view the OS information on your HP iPAQ:

- ▲ Tap **Start > Settings > System > About**.

The OS version is displayed on the screen.

Customize your HP iPAQ

Modify settings to customize your HP iPAQ.

Create a device name

Use the device name to identify your HP iPAQ in the following situations:

- When synchronizing with a computer
- When connecting to a network
- To identify your device during Bluetooth pairing (discoverable)



NOTE: If you synchronize multiple devices with the same computer, create a unique name for each device.

To change the device name:


1. Tap **Start > Settings > System > About > Device ID**.
2. Enter a name for the device. The device name must begin with a letter, consist of letters from A to Z, numbers from 0 to 9, and the special character underscore (_). The device name cannot contain spaces.
3. Tap **ok**.

Specify owner information

Record your personal information, such as your name and address, on the HP iPAQ so that it can be returned to you if it is lost or misplaced.

To specify owner information:

1. Tap **Start > Settings > Personal > Owner Information**.
2. On the **Identification** tab, enter your personal information.
3. On the **Notes** tab, enter your comments or text that you want to display on the screen when the device starts or it comes out of the standby state.
4. On the **Options** tab, select the check box for the information that you want to display on the screen when the device starts or it comes out of the standby state.
5. Tap **ok**.


 **TIP:** You can edit the owner information directly from the **Today** screen. To enable the editing function, you need to select the **Owner Information** check box when you customize the **Today** screen. For more information, see [The Today screen on page 13](#).


Change the regional settings

Specify the display formats for number, currency, time, and date in regional settings.

To change the regional settings:

1. Tap **Start > Settings > System > Regional Settings**.
2. Tap the different tabs and edit the required settings.
3. Tap **ok**.


 **TIP:** Changing the **Region** automatically changes the related settings. If you want to, you can further customize them after that.


 **NOTE:** Selecting another language, if one is available in regional settings, might result in loss of personal data and settings.

Adjust the volume settings

Adjust the HP iPAQ sound volume. Increase or decrease the ringer volume and the clicking sound you hear when you select program names and menu options.

To adjust the volume:


1. Tap the  (Speaker) icon at the top of the screen.
2. Move the system volume slider on the screen using the stylus or the Volume up/down key of your HP iPAQ to establish the volume level.
3. To mute system sounds, tap **Off**.

 **TIP:** To temporarily mute the system sounds, press the Volume up/down button on the side panel of the device once.

You can also set a specific sound for a specific event.

To set sounds:


1. Tap **Start > Settings > Personal > Sounds & Notifications**.
2. On the **Sounds** tab, choose how you want to be notified by selecting the appropriate check boxes.
3. On the **Notifications** tab, in the **Event** list, tap an event name, and then choose how you want to be notified by selecting the appropriate check boxes. You can choose from several options, such as a special sound, a message, or a flashing light.

 **NOTE:** Turning off sounds and the LED notification helps conserve battery power.

Adjust the ring tone and notification sounds

Change the ring tone and system sounds for incoming calls, alerts, and message notification.

To change ring tone and ring type:

1. Press the  (Answer/Send) key.
2. On the **Dialer** screen, tap **Menu > Options... > Phone**.

3. Tap the **Ring type** or **Ring tone** list.
4. Select the sound you want to use.
5. Tap **ok**.

Use the ringer/sound switch

You can use the ringer/sound switch to put your HP iPAQ in the vibrate mode. You will continue to receive notifications and calls on your HP iPAQ. However, all sounds including the built-in speaker will be switched off.

To enable the vibrate mode:

- ▲ Slide the ringer/sound switch towards the right for the vibrate mode.




To disable the vibrate mode:

- ▲ Slide the ringer/sound switch towards the left for the normal mode.



Customize screen settings

You can customize your HP iPAQ screen settings. Change the screen orientation, correct screen tap and alignment problems, soften the fonts, and adjust the text size to suit your requirements.

 **NOTE:** Your screen orientation automatically switches to the landscape view when you slide out the keyboard. It also automatically switches to the portrait view when you close the keyboard.

To change screen orientation:

1. Tap **Start > Settings > System > Screen > General**.
2. Select an orientation.
3. Tap **ok**.

To correct screen alignment:

1. Tap **Start > Settings > System > Screen > General**.
2. Tap **Align Screen**.
3. Follow instructions on the screen.
4. Tap **ok**.

To soften fonts:

1. Tap **Start > Settings > System > Screen > ClearType**.
2. Select the **Enable ClearType** check box.
3. Tap **ok**.

To adjust text size:

1. Tap **Start > Settings > System > Screen > Text Size**.
2. Move the slider on the screen to set the required text size.
3. Tap **ok**.

Change the power management settings

Use **Power** to view the amount of battery power remaining. The **Power** program also enables you to set the standby period, duration for turning off, and USB charging speed for your HP iPAQ.

To change power settings:

1. Tap **Start > Settings > System > Power**.
2. Tap **Advanced**, select a check box, and select the time duration after which the device will turn off if it is not used.
3. Tap **USB Charging** and select the **Use USB Charging** check box to enable USB charging.

Select any of the following options:

- **Fast Charging** – Charges at 500 mA.
- **Slow Charging** – Charges at 100 mA.



NOTE: Clearing the **Turn off device if not used for** check box on the **Advanced** tab will keep your HP iPAQ on at all times and will drain the battery. For more information to make the battery last longer between charges, see [Battery-saving tips on page 27](#).

Adjust the brightness settings

Set the display backlight to dim after a specified amount of time has elapsed.

To dim the backlight:

1. Tap **Start > Settings > System > Backlight**.
2. Tap **Battery Power** or **External Power**.
3. Select the backlight options of your choice.




NOTE: Clearing the **Turn off backlight if device is not used for** check box from the **Battery Power** or **External Power** tab will keep the backlight on at all times and will drain the battery. For more information to make the battery last longer between charges, see [Battery-saving tips on page 27](#).

4. Tap **ok**.

You can also increase or decrease the display brightness.

To adjust the brightness of the display:

1. Tap **Start > Settings > System > Backlight > Brightness**.
2. Select the brightness level from the drop-down list.
3. Tap **ok**.

 **NOTE:** Setting the brightness level as **Auto** will turn on the light sensor feature. Your HP iPAQ will automatically adjust the screen brightness depending on the surrounding light conditions.

To turn on the key light:

1. Tap **Start > Settings > System > Backlight > Advanced**.
2. Select the **Turn on key light for when a key is pressed** check box.
3. Select an option from the drop-down list.
4. Tap **ok**.

Connect to a computer

Connect your HP iPAQ to your computer and perform basic functions, such as copying files between your HP iPAQ and your computer. Perform advanced functions, such as using your HP iPAQ as a modem or synchronizing your HP iPAQ with your computer. Set your HP iPAQ to perform basic functions to connect your HP iPAQ to a computer that does not have ActiveSync or WMDC installed on it.

To perform basic functions:


1. Tap **Start > Settings > Connections > USB to PC**.
2. Clear the **Enable advanced network functionality** check box.
3. Tap **ok**.

To perform advanced functions:

1. Tap **Start > Settings > Connections > USB to PC**.
2. Select the **Enable advanced network functionality** check box.
3. Tap **ok**.


Install and remove programs

Install and remove programs on your HP iPAQ. When you remove unused programs from your HP iPAQ, you might free up available memory on the HP iPAQ.

 **NOTE:** You need to install WMDC or ActiveSync (WMDC for Windows Vista and ActiveSync for Windows XP) on your computer before you install programs using a Micro-USB cable.

To install programs:

1. Use the WMDC or ActiveSync to connect your HP iPAQ to your computer.
2. Follow the instructions in the installation wizard provided for the program you want to install.
3. Check the screen of your HP iPAQ to see if any additional actions are necessary to complete the program installation.

 **TIP:** You can also copy an installer on a microSD card and run it on your HP iPAQ. Alternatively, you can download and install programs directly from the Internet using GPRS.

To remove programs:

1. Tap **Start > Settings > System > Remove Programs**.
2. Select the program to remove, and then tap **Remove**.



NOTE: You can only remove programs that have been installed after purchase. You cannot remove the HP iPAQ default programs.

If programs are lost from your HP iPAQ for any reason, most of them can be re-installed using the synchronization software. On your computer, open the synchronization software, click **Tools > Add/Remove Programs**. Select the program to be added and click **OK**. Look at the screen of your HP iPAQ to see if any further steps are necessary to complete the program installation.

Set alarms and clocks

You can change time and set alarms on your HP iPAQ.

To set the time:

1. Tap **Start > Settings > System > Clock & Alarms > Time**.
2. Select **Home** to set the time zone, local time, and date when you are in your home country. Select **Visiting** to set these options while traveling.
3. Tap **ok**.

To set an alarm:

1. Tap **Start > Settings > System > Clock & Alarms > Alarms**.
2. Tap **<Description>** to enter a name for the alarm.
3. Tap the day of the week for the alarm. You can select multiple days by tapping each required day.
4. Tap the time display that appears near the alarm name, and then set the time for the alarm.
5. Tap the 📻 (Alarm) icon to specify the type of alarm. You can choose single sound or a repeating sound.
6. If you choose to play a sound, tap the list next to the **Play sound** check box, and then tap the sound you want to set and tap **ok**.
7. Tap the **More** tab and select the **Sound alarms even when the device is set to silent or vibrate** check box.
8. Tap **ok**.

To disable an alarm:

1. Tap **Start > Settings > System > Clock & Alarms > Alarms**.
2. Clear the check box besides the alarm name.
3. Tap **ok**.

Display the clock in the title bar

The clock displayed on the **Today** screen might not be visible when you open some programs. You can set your HP iPAQ to display the clock in the title bar of all programs other than the **Today** screen.

To display the clock in the title bar of all programs:

1. Tap **Start > Settings > System > Clock & Alarms**.
2. On the **More** tab, tap to select the **Display the clock on the title bar in all programs** check box.
3. Tap **ok**.

Customize the shortcut key

You can customize the third button on the left panel by assigning a program to it. Use the button to open the program quickly.

 **NOTE:** The shortcut key is set to open **Messaging** by default. You can also customize the **Camera** button.

To customize the shortcut key:

1. Tap **Start > Settings > Personal > Buttons > Program Buttons**.
2. Select a program from the **Assign a program** drop-down list.
3. Tap **ok**.

Adjust the speed for scrolling through items in a list

To change the speed at which scrolling occurs:

1. Tap **Start > Settings > Personal > Buttons > Up/Down Control**.
2. Under **Delay before first repeat**, move the slider to reduce or increase the time that elapses before scrolling begins.
3. Under **Repeat rate**, move the slider to change the time it takes to scroll from one item to the next.
4. Tap **ok**.

Use the proximity sensor

Your HP iPAQ is equipped with a proximity sensor. The proximity sensor prevents accidental screen taps when you are on a call. When you are on a call and you hold your HP iPAQ near your ear, the screen the proximity sensor detects this and locks the screen. It also turns the display off. The screen automatically unlocks and turns on when you move the HP iPAQ away from your ear.

Protect your HP iPAQ with a password

Secure data on your HP iPAQ by setting a password. Each time you turn on your HP iPAQ, you will be prompted to enter the password to unlock the device. You can also lock the screen to prevent any accidental key press.

To enable password protection:

1. Tap **Start > Settings > Personal > Lock**.
2. Select the **Prompt if device unused for** check box and select a time duration.
3. In the **Password type** list, select the kind of password you would want to use. Next, enter the password, and then enter it again to confirm it.

4. On the **Hint** tab, enter a phrase to help you remember your password. Make sure that your hint does not allow others to guess your password. The hint is displayed after the wrong password is entered five times in a row.
5. Tap **ok** and when prompted, tap **Yes**. The next time you restart your HP iPAQ or your HP iPAQ is unused for the specified amount of time, you are prompted to enter your password.

 **TIP:** Also use the preceding steps to change or reset your password.

To disable the password protection:

1. Tap **Start > Settings > Personal > Lock**.
2. Enter your password and then tap **Unlock**.
3. Clear the **Prompt if device unused for** check box.
4. Tap **ok** and then tap **Yes**.

Battery-saving tips


Adjust the settings on your HP iPAQ to suit your needs and also help the device retain and increase the battery's charge-retention capacity. Here are some recommendations to conserve battery life:


- **Connect to AC power** – Leave your HP iPAQ connected to AC power at all possible times when not using it. HP also offers a variety of accessories to keep your HP iPAQ charged when you are out of the office for extended time periods. These include the Micro-USB synchronization cable and travel adapter.
Important: Always use original HP batteries and chargers to charge your HP iPAQ. Using other batteries or chargers can cause loss of device functionality and possible safety hazards.
- **Turn off Bluetooth and Wi-Fi** – Always turn off Bluetooth and Wi-Fi when not in use. To turn off Bluetooth and Wi-Fi, tap **Start > Settings > Connections > Wireless Manager**, and then tap the respective option to turn it off.
- **Adjust e-mail synchronization frequency** – Every time your HP iPAQ sends and receives e-mail, your HP iPAQ uses the battery. You should increase the duration between synchronization cycles to reduce the number of times your HP iPAQ synchronizes with the e-mail server. To change the duration, see [Change the e-mail download options on page 46](#).
- **Adjust ActiveSync settings** – ActiveSync can be configured to synchronize e-mail at regular intervals or using as items arrives using the push e-mail protocol. When using push e-mail, the device synchronizes with the Exchange e-mail server automatically, even when in standby. This can result in unexpected battery drain if the user is not aware that this service is running. Alternatively, ActiveSync can be configured to synchronize at regular intervals. However, this configuration can result in unnecessary power consumption if the device synchronizes when no new e-mail is available.

The best configuration depends on how the device is being used. When e-mail volume is light, it is best to have the device configured to synchronize e-mail as items arrive. However, when e-mail volume is high, performance might improve when the device is set to synchronize at regular intervals. To adjust the settings, tap **Start > Programs > ActiveSync > Menu > Schedule**.

- **Disable Sounds** – Every time you are notified of an event or alert, battery power is consumed. Tap **Start > Settings > Personal > Sounds & Notifications** to disable any unnecessary notification sounds.
- **Dim the Backlight** – Tap **Start > Settings > System > Backlight**. On the **Brightness** tab, adjust the brightness settings to an acceptable level.

- **Auto Turn Off the Backlight** – Tap **Start > Settings > System > Backlight**. Specify a short amount of wait time before turning off the backlight. On the **Battery Power** tab, set **Turn off backlight if device is not used for** to 10 seconds.
- **Use the Power Save Mode** – The **Power Save Mode** conserves battery, especially when your battery power is low. For more information, see [Power Save Mode on page 28](#).
- **Use the Light Sensor** – Use the light sensor feature to automatically adjust the backlight brightness and conserve the battery. For more information, see [Adjust the brightness settings on page 23](#).


To check the battery power, tap **Start > Settings > System > Power**, or tap the  (Battery) icon on the **Today** screen.

 **NOTE:** In case of a battery drain out, you lose any data that has not been saved on your HP iPAQ. HP advises you to keep your HP iPAQ fully charged at all times.

 **WARNING!** Removing the battery from your HP iPAQ before turning it off might corrupt data on your HP iPAQ.

Power Save Mode

Activating the **Power Save Mode** helps conserve your HP iPAQ battery power until the next charging cycle. The **Power Save Mode** will become active when the battery reaches 25% of the full charge level and a warning is displayed on the screen. If you cancel this warning, another warning is displayed when the battery drains to 10% of the full charge level and the device goes into the **Power Save Mode**.


When the device is in the **Power Save Mode**,  (Power Save Mode icon) is displayed at the top of the screen. **Power Save Mode** will automatically turn off after charging your battery above the 25% level, and all the adjusted system settings are restored.

To turn on **Power Save Mode**:

1. Tap **Start > Settings > System > Power Save Mode**.
2. Set the **Power Save Mode** option to **On**.
3. Tap **ok**.


To configure **Power Save Mode** settings:

1. Tap **Start > Settings > System > Power Save Mode**.
2. Select the required settings and tap **ok**.

 **TIP:** You can also tap **Advanced** to adjust advanced settings for the **Power Save Mode**.

To turn off **Power Save Mode**:


1. Tap **Start > Settings > System > Power Save Mode**.
2. Set the **Power Save Mode** option to **Off**.
3. Tap **ok**.

 **NOTE:** Another way to exit **Power Save Mode** is to follow the alert messages on your HP iPAQ when it is in **Power Save Mode**.

6 Use your HP iPAQ


You can use your HP iPAQ to make and answer calls. You can also make conference calls and dial international numbers. In addition, you can make data calls, forward calls, and check or modify the network and channel settings.

Check connection and signal strength

When you slide your SIM card into your HP iPAQ and turn it on, your unit automatically connects to your service provider's network. The  (Signal strength) icon indicates that you are connected. More vertical bars indicate a better connection.


Call features



Use the call features on your HP iPAQ to make a call, answer a call, put a caller on hold, access speed dial, and access voice mail.

 **NOTE:** You might need to contact your service provider to activate and use some of these services.

Make a call

To make a call:

1. Press the  (Answer/Send) key.
2. Use the **Dialer** screen to dial the number you want to call.
3. Tap **Talk**.


 **TIP:** You can also make a call by dialing the numbers using the keyboard from the **Today** screen, **Dialer** screen, or **Contacts** list, and then pressing the  (Enter) key.

Call a contact

You can call a number stored in the contact list. As you enter a contact's name, the HP iPAQ searches the **Contacts**, **Call History**, **Speed Dial** lists, and the SIM card to find a matching name and number.


Make a call from the Today screen


To make a call from the **Today** screen:

1. Use the keyboard to enter the contact name or number.
2. If more than one contact exists with the same name, select the appropriate one.
3. Press the  (Answer/Send) key to make the call.

Make a call from Contacts

To make calls from the contacts list:

1. Tap **Start > Contacts**.
2. Scroll to the contact name.
3. Scroll to the number and press the  (Answer/Send) key or tap the contact twice to place a call.


 **TIP:** If you have a long list of contacts, enter the first few letters of a contact's name. Your HP iPAQ searches the entire contact list to display the name. You can also tap the letter groups at the top of the contact list to see the contacts in that letter group.

Redial a number

To redial the last number dialed, press the  (Answer/Send) key twice.

Answer a call

To answer a call, press the  (Answer/Send) key.

When you receive a call, you can either answer or ignore the call. When the phone stops ringing, the caller might be sent to voice mail, depending on the settings provided by your service provider. To ignore the call, tap **Ignore** on the incoming call dialog box or press the  (End/Power) key.

Mute a call

You can mute the microphone during an active call. When you mute a call, the microphone is switched off. This will prevent the person you are talking to from hearing what you say. However, this will not prevent you from hearing the caller/recipient.


To mute the microphone during a call:

1. Tap **Mute** on the **Dialer** screen.
2. To disable the mute option, tap **Unmute** on the **Dialer** screen.

Put a call on hold

During a call, you can put the call on hold and dial another number or answer an incoming call. If you have more than one call on the line, you can switch between calls.

- To put a call on hold, tap **Hold**.
- To switch between calls, tap **Swap**.



 **NOTE:** The **Swap** feature is available only if a call has already been placed on hold.

These buttons are available only on the **Dialer** screen.

Use call waiting



Use call waiting to be notified of incoming calls when you are on another call. You can view the number of the person calling you, put your current caller on hold, and answer the incoming call. For more information on enabling call waiting, see [Call waiting on page 35](#).

To use call waiting:



1. Press the  (Answer/Send) key to move the current phone call to call waiting.
2. Press the  (Answer/Send) key to answer the incoming call or tap **Ignore** if you do not want to answer the call.
3. Tap **Swap** to switch between the calls.


Make emergency calls

You can make calls to emergency service numbers, even if you have locked the SIM card and/or the HP iPAQ. Your service provider programs one or more emergency phone numbers, which you can call under any circumstance.

 **NOTE:** You need to turn on the phone connection before you make any emergency calls. To turn the phone connection on, tap the  (Wireless Manager) icon, and then tap **Phone**.


To dial an emergency number:

1. Press the  (Answer/Send) key.
2. Use the keyboard to dial the local emergency number.
3. Press the  (Answer/Send) key to place the call.


 **NOTE:** Emergency numbers vary by country/region. Your HP iPAQ's pre-programmed emergency number(s) might not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.

Make calls using speed dial


You can dial phone numbers quickly by assigning speed dial numbers. You can choose speed dial entries from 2-99. The speed dial entry 1 is often reserved to set up or dial your Voice mail after the initial setup.

 **NOTE:** The speed dial feature is available only for phone numbers stored in the contact list.


To create a speed dial shortcut:

1. Press the  (Answer/Send) key > **Speed Dial**.
2. Tap **Menu > New**.
3. Tap a number, select a speed dial number from 2-99 in the **Location** box, and then tap **ok**.

 **NOTE:** You can also assign speed dial by tapping **Start > Contacts**, selecting a contact, selecting the number, and then tapping **Menu > Add to Speed Dial...**

 **TIP:** You can also assign speed dial numbers to Web addresses and e-mail addresses that are stored in the **Contacts** on your HP iPAQ.


To make a speed dial call:

1. Press the  (Answer/Send) key.
2. Use the keyboard to press and hold the number you assigned as a speed dial entry. For two-digit speed dial numbers, press the first digit, release it, and then press and hold the second digit of the number.

Use Voice mail

You can divert a caller to your voice mail when you are busy on another call or you are unable to accept calls. The caller can then store a message for you that you can retrieve and listen to later.

To call Voice mail:

1. Press the  (Answer/Send) key.
2. Using the keyboard, press and hold **1** to automatically call Voice mail.

 **NOTE:** You might need to contact your service provider to activate and set up Voice mail. For more information, see [Set up Voice mail or text messaging center number on page 36](#).


Use the speakerphone


You can turn the speaker on during a call to use the speakerphone.

- ▲ On the **Dialer** screen, tap **Speaker On** to turn the speaker on and the receiver off.

Make data calls

Use the options available by tapping **Start > Settings > Connections > Connections** to set up General Packet Radio Service (GPRS), dial-up, Virtual Private Network (VPN), proxy, and Wi-Fi connections to connect to the Internet or your corporate network. With a data connection, you can browse the Web, download e-mail, or synchronize with a server without using cables.

The network connection time, for which you might be charged, starts from the moment you connect to your service provider's network till you end the data call by pressing the  (End/Power) key. This includes busy signals and ringing. The amount of network connection time you track on your reset timer might not equal the amount of time for which you are billed by your service provider. For billing information, contact your service provider.

 **NOTE:** Your HP iPAQ is pre-configured for you to browse and chat. Contact your service provider for information on mobile Internet plans, configuring e-mail, or wireless synchronization with a server.

Make a call from a hyperlink phone number


Use a hyperlinked phone number to quickly dial a phone number from an e-mail or text message. A hyperlinked phone number is underlined in the same manner as a Web site address.


To dial a hyperlinked phone number from an e-mail or text message:

1. Tap the phone number.
2. Tap **Talk** to dial the number.

Dial international numbers


To dial an international call, dial a country code before the phone number:

1. Press the  (Answer/Send) key.
2. On the **Dialer** screen, tap and hold **0** until the plus (+) sign appears.
3. Dial the country code and phone number.

 **NOTE:** You can also insert a plus (+) sign into a contact's phone number for quick dialing.

Make a conference call

To make a conference call:


1. Press the  (Answer/Send) key.
2. Use the **Dialer** screen to dial the required number.
3. Tap **Talk**.
4. When you are connected, tap **Hold**.
5. Dial the second number, and then tap **Talk**.
6. When you are connected, tap **Menu > Conference**.



NOTE: To add more parties to the conference call, dial each number, connect, and then tap **Menu > Conference**.

Call history

Call history provides the time and duration of all incoming, outgoing, and missed calls, presents a summary of total calls, and provides easy access to notes taken during a call.

1. Press the  (Answer/Send) key > **Call History** to view the history of all dialed and received calls.
2. Tap **Menu > Filter** and select a different view to change the call history view.





NOTE: Tap **Menu > Call Timers...** to view call durations. The **All Calls** timer cannot be reset.

3. Tap **Call History > Menu > Delete All Calls** to clear the entire call history.

Make calls using call history


Use call history to quickly call someone you recently called or someone who recently called you.

To make calls using call history:

1. Press the  (Answer/Send) key.
2. On the **Dialer** screen, tap **Call History**.
3. Tap the required number, tap **Call**, or press the  (Answer/Send) key to place a call.

View call details

To view call details:


1. Press the  (Answer/Send) key.
2. On the **Dialer** screen, tap **Call History**.
3. Tap the phone number of the contact to view the details.


The date and timestamp, as well as the duration of the call, are displayed.

Change the SIM PIN

For security purposes, the SIM PIN protects your HP iPAQ against unauthorized access. You can assign a password to protect your HP iPAQ and information. Your first PIN comes from your service provider.

To change the SIM PIN:


1. Press the  (Answer/Send) key.
2. Tap **Menu > Options...**
3. Under **Security**, tap **Change PIN**.
4. Enter your old PIN.
5. Tap **Enter**.
6. Enter and confirm your new PIN.
7. Tap **ok**.

 **NOTE:** To enter a PIN before you use the phone, select the **Require PIN when phone is used** check box.

Emergency calls can be placed at any time, without entering a PIN.

If you forget or enter an incorrect PIN three times in a row, the SIM will be locked. Contact your service provider to reset your PIN and unlock the SIM.


To disable the SIM PIN:

1. Enter the PIN to access your HP iPAQ.
2. Press the  (Answer/Send) key.
3. Tap **Menu > Options... > Security**.
4. Clear the **Require PIN when phone is used** check box, and then tap **ok**.

Change service settings

You can change your phone service settings to block certain types of incoming and/or outgoing calls, forward incoming calls to a different phone number, be notified of incoming calls when you are already in a phone session, or let others know your identity when making calls.

To change phone service settings:


1. Press the  (Answer/Send) key.
2. On the **Dialer** screen, tap **Menu > Options... > Services**.
3. Tap the service you want to change and tap **Get Settings...**
4. Make appropriate changes and tap **ok**.

 **NOTE:** Some of these services might be charged for. Contact your service provider for more details.

Forward calls

If you do not want to receive calls on your HP iPAQ, you can forward the calls to another number.

To set call forward:

1. Press the  (Answer/Send) key.
2. Tap **Menu > Options... > Services**.
3. Tap **Call Forwarding > Get Settings...**
4. Select the **Forward all incoming phone calls** check box.

5. Enter the phone number that is to receive the forwarded calls.

You can forward all incoming calls or set numbers for the following:

- **No answer** – phone cannot be answered.



NOTE: Select a time duration from the **Forward after** list.


- **Unavailable** – phone is off.
- **Busy** – line is busy.

6. Tap **ok**.

Call waiting

You can enable or disable call waiting to be notified of incoming calls when you are on another call.


To set call waiting:

1. Press the  (Answer/Send) key.
2. Tap **Menu > Options... > Services**.
3. Tap **Call Waiting > Get Settings...**
4. Select the setting you require:
 - Select **Notify me** to enable call waiting.
 - Select **Do not notify me** to disable call waiting.
5. Tap **ok**.

Configure caller ID

Configure caller ID to enable the telephone network to display your identity on the recipient's caller ID display.

To configure caller ID:

1. Press the  (Answer/Send) key.
2. Tap **Menu > Options... > Services**.
3. Tap **Caller ID > Get Settings...**
4. Select who to identify yourself to and tap **ok**.




TIP: To prevent your identity from being displayed to others, tap **No one**.

Block calls


If you do not want to receive calls from certain numbers, you can block the numbers on your HP iPAQ.

To block calls:


1. Press the  (Answer/Send) key.
2. Tap **Menu > Options... > Services**.
3. Tap **Call Barring > Get Settings...**
4. Select the type of calls you want to block and then tap **ok**.

Set up Voice mail or text messaging center number

To use Voice mail or send text messages (SMS), enter the correct Voice mail or text message phone number in phone settings.

 **NOTE:** Sending text messages is not included in all network service plans. Ask your service provider if your plan includes this service.


To set up Voice mail or text messaging center number:

1. Press the  (Answer/Send) key.
2. Tap **Menu > Options... > Services**.
3. Tap **Voice Mail and Text Messages > Get Settings...**
4. Enter the Voice mail or text message center number in the appropriate box.
5. Tap **ok**.

If you do not know the correct Voice mail or text message phone numbers, contact your service provider.

Supported frequency bands

Your HP iPAQ has an integrated GSM/GPRS/EDGE feature that supports four different frequency bands (850/900/1800/1900) for international roaming. Your HP iPAQ also supports WCDMA/HSPA in three different frequency bands (900/1900/2100). When traveling between countries and/or wireless network operators, this feature automatically changes the connection settings for frequency bands if the home band is unavailable. This feature is the default setting on the HP iPAQ.

 **NOTE:** Your HP iPAQ might take several minutes, depending on the environment, to connect to the network for the first time when roaming in another country.

To avoid problems when you are out of the country, follow these tips before you leave:

- Visit your service provider's Web site to see if their service is available where you are traveling.
- Verify if your mobile phone account is set up for international roaming and if additional charges apply.

Configure channels

Turn on this feature to receive real-time news and information such as traffic news and weather reports. Check with your service provider for the channels available in your area.

To configure the phone broadcast channels:

1. Tap **Start > Settings > Personal > Phone > Cell Broadcast**.
2. Select the **Receive Cell Broadcast Message** check box.
3. Tap **Setting...**
4. Select the **Receive channel index** check box.
5. Select a language from the **Language** list.
6. Tap **Add...**, and then enter the channel name and number.
7. Tap **ok** on the **Channel** screen to add the channel.
8. Tap **ok** on the **Cell Broadcast Settings** screen to apply the settings.



NOTE: In the **Selected items** list tap and hold a channel name to edit or delete it.


7 Contacts

Store contacts on your HP iPAQ. Store contact information, such as name, address, telephone number, company, and department. Assign a ring tone and a picture to your contact.

Create a contact

To create a contact:

1. Tap **Start > Contacts**.
2. Tap **New** and enter the contact information in **Outlook Contact** or **SIM Contact**.
3. When finished, tap **ok**.

 **NOTE:** If you have created a category filter for contacts that category is automatically assigned to the new contact.

If most of the contacts you create have phone numbers that begin with the same area code, in **Contacts**, tap **Menu > Options...**, enter the area code in the **Area code** box, and then tap **ok**.


If you receive a call from a number that is not listed in **Contacts**, create a contact from the call history.

 **NOTE:** For more information about **Contacts**, open **Contacts**, and then tap **Start > Help**.

Edit the contact information

To change contact information:

1. Tap **Start > Contacts**.
2. Tap the contact to edit.
3. Tap **Menu > Edit** and enter the changes.


 **NOTE:** To edit SIM contacts, use the SIM Manager. For more information, see [SIM Manager on page 103](#).

4. When finished, tap **ok**.

Delete a contact

To delete a contact:

1. Tap **Start > Contacts**.
2. Tap the contact to delete.
3. Tap **Menu > Delete Contact**.

 **NOTE:** To delete SIM contacts, use the SIM Manager. For more information, see [SIM Manager on page 103](#).


4. Tap **Yes**.


Create and assign a category

You can use categories to organize and group your contacts.

To create and assign a category:

1. Tap **Start > Contacts**.
2. Do one of the following:
 - For a new contact, create the contact, and then select **Categories**.
 - For an existing **Contacts**, open the contact, and then tap **Menu > Edit > Categories**.
3. Select the required check box (**Business**, **Holiday**, **Personal**, or **Seasonal**) to assign the category.
4. Tap **ok** to return to the contact.


 **NOTE:** To assign a category to a contact, the contact must be saved on the phone memory.


 **NOTE:** To create a new category, tap **New** and assign a name to the category for the contact. The new category is assigned automatically to the contact.

Copy a contact

To copy a contact:

1. Tap **Start > Contacts**.
2. Tap and hold the contact to copy.
3. Tap **Copy Contact**.
4. Tap the copied contact.
5. Tap **Menu > Edit**.
6. Change the contact information as needed and tap **ok**.

 **NOTE:** To copy SIM contacts, use the SIM Manager. For more information, see [SIM Manager on page 103](#).

 **NOTE:** The default category is automatically assigned to the new contact.

Find a contact

To find a contact:

1. Tap **Start > Contacts**.
2. If you are not in **Name** view, tap **Menu > View By > Name**.
3. Take one of the following actions:
 - Enter a name or phone number in the provided text box until the contact is displayed. To show all contacts again, tap the text box and clear the text, or press the backspace key.
 - Use the alphabetical index displayed at the top of the contact list.
 - Filter the list by categories. In the contact list, tap **Menu > Filter**. Then tap a category you have assigned to a contact. To show all contacts again, select **All Contacts**.



NOTE: To search for a contact by entering a name or number, or by using the alphabetical index, you need to go to the **Name** view.

Send an e-mail message from Contacts

To send an e-mail message from **Contacts**:

1. Tap **Start > Contacts**.
2. Tap the contact to send a message to.
3. Tap the address to send a message to.
4. Tap the account to send the message from.
5. Tap **Send**.



NOTE: To quickly add a contact's address to a message, tap the **To**, **Cc**, or **Bcc** line, and then tap **Menu > Add Recipient**. Tap the contact you want to send the message to and select the address, if necessary.

Send a text message to a contact

To send a text message to a contact:

1. Tap **Start > Messaging > SMS/MMS**.
2. Tap **Menu > New > SMS**.
3. Enter the phone numbers of one or more recipients, separating them with a semicolon. To access phone numbers from **Contacts**, tap **To** and select the contact.
4. Enter your message. To quickly add common messages, tap **Menu > My Text** and tap the required message.



NOTE: To enter symbols, tap **Shift** using the on-screen keyboard or press the **SYM** (Sym) key on the keyboard.

5. To check the spelling, tap **Menu > Spell Check**.
6. Tap **Send**.


If you are sending a text message and want to know if it was received, before sending the message, tap **Menu > Message Options...** Select the **Request message delivery notification** check box.

Add and remove a picture

To add a picture to the contact information:

1. Tap **Start > Contacts**.
2. Tap the contact.
3. Tap **Menu > Edit**.
4. Tap **Picture**.

5. Take one of the following actions:
 - Choose an existing picture to add.
 - Tap **Camera** and take a new picture.
6. Tap **ok**.

 **NOTE:** To change the picture in **Contacts** use these same steps.

To remove a picture from the contact information:


1. Tap **Start > Contacts**.
2. Tap the contact.
3. Tap **Menu > Edit**.
4. Tap **Menu > Remove Picture**.
5. Tap **Yes**.
6. Tap **ok**.

Use the contact list

There are several ways to use and customize the contact list. You can also make a call or send a message from an open contact.

To customize the contact list:

1. Tap **Start > Contacts**.
2. In the contact list, take any of the following actions:
 - To search for a contact by name or by using the alphabetical index, enter the name into the **Enter a name...** box.
 - To see a list of contacts employed by a specific name or company, tap **Menu > View By > Name** or **Company**.
 - To see a summary of information about a contact, tap the contact. From there, you can also make a call or send a message.
 - To see a list of available actions for a contact, tap and hold the contact.

 **TIP:** To display a greater number of contacts on the screen, tap **Menu > Options...**, select the **Show contact names only** check box, and clear the **Show alphabetical index** check box.

8 Messaging

To send and receive e-mail messages using an e-mail account, you need to connect to the Internet using GPRS or your corporate network.

You can send and receive messages in a variety of formats:

- Microsoft® Office Outlook® Mobile e-mail
- Internet e-mail
- Text/MMS messages

You can also access e-mail from your workplace through a VPN connection. For more information, see [Set up a VPN server connection on page 76](#).

E-mail in the Outlook e-mail account is sent and received through synchronization with a computer using any synchronizing software or through wireless synchronization directly with an Exchange Server. For more information, see [Synchronization on page 77](#).

Internet e-mail is sent and received by connecting to a Post Office Protocol 3 (POP3) or Internet Message Access Protocol 4 (IMAP4) e-mail server. You require Internet access from a GSM, GPRS, EDGE, or 3G carrier to connect to a POP3 or IMAP4 Server. You can connect to the Internet using Wi-Fi, a computer, or a Bluetooth device. To connect to the Internet through your HP iPAQ, use a data-enabled cell phone.

Text messages are sent and received through your wireless service provider using a phone number as the message address.

Identify the folder types

Each messaging account has a set of folders with five default Messaging folders:

- **Inbox**
- **Outbox**
- **Deleted Items**
- **Drafts**
- **Sent Items**

The messages you receive and send through the account are stored in these folders. You can also create additional folders for each account.

The way folders work varies by type:

- If you use an Outlook e-mail account, e-mail messages in the Inbox folder in Outlook are synchronized with your HP iPAQ automatically. Select additional folders for synchronization by assigning them designations. The folders you create and the messages you move are then mirrored on the e-mail server.
- If you use an MMS account or a text message account, messages are stored in the Inbox folder.
- If you use a POP3 account and move your e-mail messages to a folder you created, the link breaks between the messages on the HP iPAQ and their copies on the e-mail server. When you connect,

the e-mail server detects that the messages are missing from the HP iPAQ Inbox folder and deletes them from the e-mail server. This prevents having duplicate copies of a message, but it also means that you do not have access to messages.

- If you use an IMAP4 account, the folders you create and the e-mail messages you move are mirrored on the e-mail server. That is, they exist in both places. These messages are therefore available from any location or device. This synchronization occurs whenever you connect to your e-mail server, and when you create new folders, or rename or delete folders when connected. You can also set different download options for each folder.

You can press and hold a shortcut key on the keyboard, from any folder, to perform certain tasks more quickly.

Key	Task
H	List shortcuts
A	Reply all
R	Reply
K	Mark messages as read or unread
F	Flag
M	Move
O	Forward
D	Delete
L	Download message
S	Send and receive

Synchronize e-mail

When you synchronize the Outlook e-mail on the computer with your HP iPAQ, this is what happens with e-mail messages:

- Messages in the Inbox folder on your computer or Exchange Server are copied to the Inbox folder of the Outlook e-mail account on your HP iPAQ.
- Messages in the Outbox folder on your HP iPAQ are transferred to Exchange Server or Outlook and then sent from those programs.
- When you delete a message on your HP iPAQ, it is deleted from your computer or Exchange Server the next time you synchronize.
- The default synchronization settings synchronize messages from the past three days and download the first 0.5 KB of each new message. It does not download file attachments.



NOTE: For more information on starting Outlook e-mail synchronization or changing synchronization settings, see the synchronization software's help on the computer.

Text messages are not received through synchronization. Instead, your service provider sends them to your HP iPAQ.

You can modify the sync settings to set the message size to download and also download attachments.


For more information on synchronization software, see [Synchronization on page 77](#).

Set up messaging accounts


You need to set up an e-mail account on your HP iPAQ before you can send or receive e-mail messages. Obtain the required information to configure your work e-mail account using the Exchange Server. Also, obtain the settings required to configure your e-mail account from the Internet e-mail service provider's Web site.

Set up e-mail using Exchange Server

1. Tap **Start > Messaging > Setup E-mail**.
2. Enter your e-mail address in the **E-mail address** box, password in the **Password** box, and then tap **Next**.
3. Clear the **Try to get e-mail settings automatically from the Internet** check box.

 **NOTE:** Select the **Try to get e-mail settings automatically from the Internet** check box to automatically retrieve settings from the Internet to configure your e-mail.

4. Tap **Next**.
5. Scroll and select the **Exchange server** option from the **Your e-mail provider** list.
6. Tap **Next**.
7. Tap **Next** to synchronize Outlook with your organization's Exchange e-mail server.
8. Verify your e-mail address and tap **Next**.
9. In the **Server address** box, enter the Outlook Web Access server address and tap **Next**.

 **NOTE:** Select the **This server requires an encrypted (SSL) connection** check box to ensure that you always send e-mail from this account using an SSL connection.

10. Enter the **User name**, **Password**, and **Domain**.
11. Tap **Next**.
12. Select the check box for the items that you want to synchronize, and tap **Finish**.

Internet e-mail


You can set up, send, and receive e-mail messages using an Internet e-mail account. You might need to set up and obtain the settings required to configure your e-mail account from the Internet e-mail service provider's Web site.

Create a POP3 or IMAP4 account

You must set up an e-mail account that you have with an ISP or an account that you access using a VPN server connection (typically a work account) before you can send and receive e-mail.

To create a POP3 or IMAP4 account:

1. Tap **Start > Messaging > Setup E-mail**.
2. Enter the account name, enter the password, and then tap **Next**.
3. Clear the **Try to get e-mail settings automatically from the Internet** check box.

 **NOTE:** Select the **Try to get e-mail settings automatically from the Internet** check box to automatically retrieve settings from the Internet to configure your e-mail.


4. Tap **Next**.
5. Scroll and select the **Internet e-mail** option from the **Your e-mail provider** list and tap **Next**.
6. Enter your name and required account name and tap **Next**.
7. Enter the incoming mail server name and select the required account type, **POP3** or **IMAP4**.
8. Specify the information requested in the next few screens and tap **Finish**.

You can also perform the following functions:

- Change the time intervals for downloading new messages.
- Download attachments.
- Limit the number of messages that are downloaded.

The following table shows settings that are useful for setting up your e-mail account.

Setting	Description
User name	Enter the user name that your ISP or network administrator assigns. This is often the first part of your e-mail address, which appears before the at sign (@).
Password	Create a strong password. You have the option to save your password so that you do not need to enter it each time you connect to your e-mail server.
Domain	This setting is not required for an account with an ISP, but might be required for a work account.
Account type	Select POP3 or IMAP4.
Account display name	Enter a unique name for the account, such as Work or Home. This name cannot be changed later.
Incoming mail server	Enter the name of your e-mail server (POP3 or IMAP4).
Outgoing mail server	Enter the name of your outgoing e-mail server (SMTP).
Require SSL for Incoming e-mail	Select this setting to ensure that you always receive e-mail from this account using an SSL connection, which is more secure. Note that if you select this and your ISP does not support an SSL connection, you might not be able to receive e-mail.
Require SSL for Outgoing e-mail	Select this setting to ensure that you always send e-mail from this account using an SSL connection, which is more secure. Note that if you select this and your ISP does not support an SSL connection, you might not be able to send e-mail.
Outgoing server requires authentication	Select this if your outgoing e-mail server (SMTP) requires authentication. Your user name and password from above are required.
Use the same user name and password for sending e-mail	Select this if your outgoing e-mail server uses the same user name and password as the ones you entered before.

 **TIP:** You can set up several e-mail accounts in addition to your Outlook e-mail account. However, you cannot add a new account while connected to a mail server. Tap **Menu > Stop Send/Receive** to disconnect.

Change the e-mail download options

You can customize the following download options for each e-mail account that you have with an ISP, or any account that you access using a VPN server connection (typically a work account).

You can choose from these options:


- Whether messages are downloaded automatically.
- How much e-mail is downloaded.
- If and how attachments are downloaded (IMAP4 only).

To change the e-mail download options for POP3 or IMAP4 e-mail account:

1. Tap **Start > Messaging > Menu > Options**.
2. Tap and select the e-mail account.
3. On the **Contents** screen, tap **Edit Account Setup**.
4. Enter any required changes on the next few screens and tap **Finish**.

To change the e-mail download options for Outlook e-mail account:

1. Tap **Start > Messaging > Menu > Options**.
2. Tap and select the **Outlook E-mail** account.
3. Enter any required changes on the next few screens, and then tap **Finish**.

 **TIP:** To send and receive messages automatically, tap **Send/Receive Schedule** and specify the time duration. Connecting automatically might result in higher connection charges. In addition, it consumes battery and reduces the standby time.


To save memory, limit the number of e-mails downloaded to your HP iPAQ by decreasing the number of days to display.

To select data that you want to synchronize for an Outlook account using **ActiveSync**, tap **Start > Programs > ActiveSync > Menu > Options**.

Delete an account


To delete an account:

1. Tap **Start > Messaging > Menu > Options**.
2. Tap and hold the account name, and then tap **Delete**.

 **NOTE:** You cannot delete your text and MMS message account, Outlook E-mail account, and Windows Live account.

Text messaging


Text messaging is the transmission of short text messages to and from a mobile phone. A single text message cannot be longer than 160 alphanumeric characters.

 **NOTE:** The number of characters supported depends on your service provider.

You might incur extra costs when sending text messages, depending on your service provider.

The text messages you reply to or forward are clubbed together with the original message.

Messages longer than 160 alphanumeric characters are sent as multiple text messages. A character count is visible when text messages (**New/Reply/Forward**) are composed. The count also shows how many text messages are generated when the message is sent.

Your service provider provides the Text Message Service Center phone number. Text messaging should function correctly after you activate your account. To verify the number that is being used, or to change the Text Message Service Center phone number, press  (Answer/Send) key > **Menu > Options... > Services > Voice mail and Text Messages > Get Settings...**


To send a text message to a contact:

1. Tap **Start > Messaging > SMS/MMS**.
2. Tap **Menu > New > SMS**.
3. Enter the phone numbers of one or more recipients, separating them with a semicolon. To access phone numbers from **Contacts**, tap **To** and select the contact.
4. Enter your message. To quickly add common messages, tap **Menu > My Text** and tap the required message.
5. To check the spelling, tap **Menu > Spell Check**.
6. Tap **Send**.

If you are sending a text message and want to know if it was received, before sending the message, tap **Menu > Message Options...** Select the **Request message delivery notification** check box.

MMS

MMS is a method of transmitting photographs, video clips, sound files, and short text messages over wireless networks.

 **NOTE:** You might incur extra costs when sending MMS, depending on your service provider.


Composer MMS

With MMS composer, you can create and share your own MMS messages. You can also add pictures, videos, text, and audio to your MMS messages.


To access the MMS program, tap **Start > Messaging > SMS/MMS**.

To create an MMS message:

1. Tap **Menu > New > MMS**.
2. To add picture or video to the message, tap the **Insert picture/video** field and tap the required picture or video to be added.
3. To insert text in the message, tap the **Insert text here** field and enter the required text.

 **NOTE:** You can also insert a smiley by tapping the 😊 (Smiley) icon, favorite Web link by tapping the ★ (Favorites) icon, and templates stored in **My Text** by tapping the 💬 (Text) icon.

4. To add an audio clip to message, tap **Insert audio** and tap the required audio to be added.
5. To preview the MMS message, tap the ▶ (Play) icon at the bottom-left of the screen.

 **NOTE:** To use an available text-message template, tap **Menu > Template > Select a template > OK**. Select the **Always choose custom** check box to view a blank message automatically. You can also add pictures, videos, and text by navigating to the required file and tapping **Select**.

Use messaging

Compose and send e-mail messages

To compose and send e-mail messages:

1. Tap **Start > Messaging** to open the messaging program.
2. In the message list, tap and select an account.
3. Tap **Menu > New**.
4. Enter the e-mail address of one or more recipients, separating them with a semicolon. To access addresses from **Contacts**, tap **To** or tap **Menu > Add Recipient**.
5. Enter your message. To quickly add common messages, tap **Menu > My Text** and tap the required message.
6. To check the spelling, tap **Menu > Spell Check**.
7. Tap **Send**.

 **TIP:** To set the priority, tap **Menu > Message Options...**

If you are working offline, e-mail messages move to the Outbox folder and are sent the next time you connect.

Reply to or forward a message


To reply to or forward a message:

1. Tap on the message to open it and tap **Menu > Reply > Reply, Reply All, or Forward**.
2. Enter your response. To quickly add common messages, tap **Menu > My Text** and tap the required message.
3. To check the spelling, tap **Menu > Spell Check**.
4. Tap **Send**.

Add an attachment to a message

To add an attachment to a message:

1. In an open message, tap **Menu > Insert** and select the attachment type as: **Picture, Voice Note, or File**.
2. Select the file to attach or record a voice note.

 **NOTE:** Embedded files cannot be attached to messages.

Receive attachments


An attachment, sent with an e-mail message or downloaded from the server, is displayed as a paperclip besides a message. When you open the message, it is displayed below the subject of the message. Tapping the attachment opens the attachment if it has been fully downloaded or marks it for download the next time you send and receive e-mail. You can also download attachments with your messages using Outlook e-mail or IMAP4 e-mail account.

If you have an Outlook e-mail account, do the following on your computer:

1. Click **Start > Programs > Microsoft ActiveSync**.
2. Click **Tools > Options...**
3. Click **E-mail > Settings** and select the **Include file attachments** check box.

If you have an IMAP4 e-mail account with an ISP or an account that you access using a VPN server connection (typically a work account):

1. Tap **Start > Messaging** to open the messaging program.
2. Tap **Menu > Options**.
3. Tap the name of the IMAP4 account.
4. Tap **Download Size Settings** and select an option from the **Download attachments** list.
5. Tap **Done** twice and then tap **ok**.

 **TIP:** Embedded pictures and objects cannot be received as attachments.

An embedded message can be viewed as an attachment when using IMAP4 to receive e-mail. However, this feature does not work if Transport Neutral Encapsulation Format (TNEF) is turned on for you to receive meeting requests.

To store attachments on a storage card rather than on the HP iPAQ, tap **Start > Messaging > Menu > Options > Storage**, and then select the **When available, use this storage card to store attachment** check box.

Receive meeting requests

If you receive your e-mail messages through ActiveSync, you can also receive meeting requests. When connecting directly to an e-mail server, the server must be running Microsoft Exchange Server V5.5 or later for you to receive meeting requests.

If the server is running Microsoft Exchange Server 2000 or later, your meeting requests are automatically received in your Inbox. However, to receive meeting requests on Microsoft Exchange Server V5.5, do the following preparation:

- Ask your system administrator to activate Rich Text Format (RTF) and TNEF support for your account.

With TNEF turned on, your messages that are included in other messages as attachments are not received, and you cannot know if a message has an attachment until you get the full copy. In addition, download time might be longer.

- Change e-mail download options if your account is not set up to receive attachments.


After you are set up to receive meeting requests, do the following:

1. Open the meeting request.
2. Tap **Accept**, or **Menu > Tentative**, or **Menu > Decline**. If you want to, you can also include a message with the response. The response will be sent the next time that you synchronize or connect to your e-mail server, and your HP iPAQ's calendar will be updated.

Create or change a signature

To create or change a signature:

1. Tap **Start > Messaging**, to open the messaging program.
2. Tap **Menu > Options > Signatures...**
3. Select the account for which you want to create or change a signature.
4. Select the **Use signature with this account** check box if it is not already selected.
5. Select the **Use when replying and forwarding** check box if required.
6. Enter a signature in the box.
7. Tap **ok**.


 **TIP:** To stop using a signature, clear the **Use signature with this account** check box.

You can use a different signature with each messaging account.

Download messages

The manner in which way you download messages depends on the type of account you have:

- To send and receive e-mail for an Outlook e-mail account, you need to synchronize your e-mail account using ActiveSync.
- You can receive text messages when your HP iPAQ is switched to phone mode. When your HP iPAQ is turned off (in flight mode), your service provider holds messages until the next time you turn on your HP iPAQ.

 **TIP:** By default, messages you send are not saved on your HP iPAQ to help conserve memory. If you want to keep copies of sent messages in the messaging list, tap **Menu > Options > Message**, and select the **Keep copies of sent items in Sent folder** check box.


If your account is an Outlook e-mail or IMAP4 account, you must also select the Sent Items folder for synchronization. To do this, tap **Start > Messaging > Outlook E-mail**, tap **Menu > Tools > Manage Folders...**, and then select the check box next to the **Sent Items** folder.

Download messages from a server

To download messages from a server:

1. From any account, tap **Menu > Go To** and tap the account to use.
2. Tap **Menu > Send/Receive**.

The messages on your HP iPAQ and e-mail server are synchronized. New messages are downloaded to the HP iPAQ's **Inbox** folder, messages in the HP iPAQ's **Outbox** folder are sent, and messages that have been deleted from the server are removed from the HP iPAQ's **Inbox** folder.


 **TIP:** To read the entire message, tap **Menu > Download Message** in the message window. In the message list, tap and hold the message, and then tap **Download Message**. The message is downloaded the next time you send and receive e-mail. Message attachments are also downloaded if you have set those options while setting up your e-mail account.

The size column in the message list displays the local size and server size of a message. These numbers might differ because the size of a message can vary between the server and the HP iPAQ.

Install an online address book

Many e-mail servers, including servers running Exchange Server, can verify names with an online address book called a directory service. When you create an e-mail account, the directory service of your e-mail server is added to the address book. To enable a directory service or to use additional services, follow these steps:

1. If you are adding a new account, ask your network administrator for the name of the directory service and the server.
2. In the message list, tap **Menu > Options > Address**.
3. In the **In Contacts, get e-mail addresses from** list, select which e-mail address book to check in **Contacts**. **Contacts** will be checked first unless you select **None**.
4. If your e-mail server is already listed, select the server's directory service check box to enable it and tap **ok**.
5. If your e-mail service is not listed, tap **Add...**
6. In the **Directory name** and **Server** boxes, enter the directory and server names.
7. Ask your network administrator if authentication is necessary for your server. If so, select the **Authentication is necessary on this server** check box, and enter your user name and password.
8. To have messaging check this service, select the **Check name against this server** check box.
9. Tap **OK**.

 **TIP:** To delete a service, tap and hold the service, and then tap **Delete**.

While synchronizing your Outlook e-mail account, disable any directory services you have installed by clearing the **Check name against this server** check box. This helps avoid getting error messages when **Messaging** tries to verify names against the service that you are not connected to.


9 Calendar

Use the **Calendar** to schedule appointments, including meetings and other events. You can display appointments for the day on the **Today** screen. Your **Calendar** can be synchronized using ActiveSync or WMDC. For more information, see [Synchronization on page 77](#).

▲ To access **Calendar**, tap the  (Calendar) icon on the **Today** screen or tap **Start > Calendar**.

Create an appointment


To create an appointment on your **Calendar**:


1. To access **Calendar**, tap the  (Calendar) icon on the **Today** screen.
2. Tap **Menu > New Appointment** to create an appointment.
3. Enter the required fields for the task and tap **ok**.

Create and assign a category

You can use categories to organize and group your appointments.

To create and assign a category:


1. Tap the  (Calendar) icon on the **Today** screen.
2. Do one of the following:
 - For a new appointment, create the item and select **Categories**.
 - For an existing item, open the appointment, and then tap **Menu > Edit > Categories**.
3. Select the required check box (**Business**, **Holiday**, **Personal**, or **Seasonal**) to assign the category.
4. Tap **ok** to return to the appointment.

 **NOTE:** To create a new category, tap **New** and assign a name to the category for an appointment. The new category is assigned automatically to the appointment.

Change the display of the work week


Customize your **Calendar** for a work week to start on Sunday or Monday. Schedule your **Calendar** for a five- to seven-day week.

To change the display of the work week:

1. Tap the  (Calendar) icon on the **Today** screen.
2. Tap **Menu > Tools > Options...**
 - To specify the view, select a view from the **Start in** list.
 - To specify the first day of the week, select **Sunday** or **Monday** from the **1st day of week** box.
 - To specify the number of days to appear in a work week, select **5-day week**, **6-day week**, or **7-day week** from the **Week view** box.
3. Tap **ok**.


Set a default reminder for all new appointments


To automatically turn on a reminder for all new appointments:

1. Tap the  (Calendar) icon on the **Today** screen.
2. Tap **Menu > Tools > Options... > Appointments**.
3. Select the **Set reminders for new items** check box.
4. Set the reminder alert duration.
5. Tap **ok**.

Update an appointment

To update an appointment on your **Calendar**:


1. Tap the  (Calendar) icon on the **Today** screen.
2. Tap to open the appointment and tap **Menu > Edit**.
3. Tap **All**, **One**, or **Cancel**.
4. Make the required changes and tap **ok**.

 **NOTE:** The options **All** or **One** only appears for recurring appointments. For recurring appointments, you can update for all recurring appointments or just one.

Cancel an appointment

When you delete an appointment in the **Calendar** on your HP iPAQ, it is also deleted on your computer the next time you synchronize. If the appointment has not been synchronized with a computer, it is deleted only from your HP iPAQ.

To cancel an appointment:

1. Tap the  (Calendar) icon on the **Today** screen.
2. In **Agenda** view, select the appointment to delete.
3. Tap **Menu > Delete Appointment**.
4. Tap **Yes** to delete the appointment.

10 Tasks

The **Tasks** program provides you with an easy way to create a to-do list. Categorize tasks, mark them as complete, when required, and configure **Tasks** to remind you about upcoming appointments.

Create a task

To create a task:

1. Tap **Start > Programs > Tasks**.
2. Tap **Menu > New Task**.



NOTE: You can also tap **Tap here to add a new task** and enter a description for the task to create a task.

3. Enter the required fields for the task and tap **ok**.

Create and assign a category

You can use categories to organize and group your tasks.

To create and assign a category:

1. Tap **Start > Programs > Tasks**.
2. Do one of the following:
 - For a new task, create the task, and then select **Categories**.
 - For an existing task, open the task, and then tap **Edit > Categories**.
3. Select the required check box (**Business**, **Holiday**, **Personal**, or **Seasonal**) to assign the category.
4. Tap **ok** to return to the task.



NOTE: To create a new category, tap **New** and assign a name to the category for a task. The new category is assigned automatically to the task.

Set the start and due dates for a task

To set the dates for a task:

1. Tap **Start > Programs > Tasks**.
2. Tap the task to set start and due dates for.
3. Tap **Edit** and take one of the following actions:
 - Tap **Starts** to specify a start date for the task.
 - Tap **Due** to specify a due date for the task.
4. Tap **ok**.

Show the start and due dates in the task list

To turn on the display of dates for a task in the task list:

1. Tap **Start > Programs > Tasks**.
2. Tap **Menu > Options...**
3. Select the **Show start and due dates** check box.
4. Tap **ok**.

Set options for displaying tasks on the Today screen

If you have a large number of tasks, you might want to specify the kind of tasks that are displayed on the **Today** screen.

To enable display of tasks on the **Today** screen:

1. Tap **Start > Settings > Personal > Today**.
2. Tap **Items**, and then select the **Tasks** check box.
3. Tap **Tasks** to access options, then tap **Options...**
4. Under **Display number of**, select the type of tasks to appear on the **Today** screen.
5. In the **Category** list, select whether to display only tasks assigned to a specific category or to display all tasks.
6. Tap **ok**.

Mark a task as completed

To mark a task as completed:

1. Tap **Start > Programs > Tasks**.
2. In the task list, select the check box next to the task you want to mark as completed.

To mark a task as complete after you open the task:


1. Tap **Edit**.
2. Select **Completed** from the **Status** list.



NOTE: You can also select a task and tap **Complete** to mark the task as completed. To activate a completed task, select the completed task, and then tap **Activate**.

11 Camera


With the built-in 3.1 megapixel camera, you can record video clips, capture photos, view, and save them on your HP iPAQ.

 **NOTE:** For better stability while capturing photos, hold your HP iPAQ horizontally with the camera button pointing upwards.

Hold your HP iPAQ steady till you hear the shutter sound. The shutter sound confirms that the photo is captured.


Use the camera

You can capture photos and store them in your HP iPAQ or storage card.



 **NOTE:** You cannot use the camera if the battery power is less than 20%.

To capture photos:

1. Press the **Camera** key or tap **Start > Programs > Camera**.
2. Tap the screen and move the vertical slider down to zoom out and up to zoom in.

 **NOTE:** You will not be able to zoom in or out when the camera is used with 3M resolution.

3. Tap the screen and move the horizontal slider left to decrease brightness and right to increase brightness.
4. Press the **Camera** key halfway to auto-focus on the person or subject matter.
5. Press the **Camera** key completely to capture a photo and save it in **File Explorer > My Documents > My Pictures**.

 **NOTE:** Tap the  (Flash) icon to enable flash while taking pictures.

View photos and videos

To view photos or videos captured using your HP iPAQ:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Select the photo or video to view.
3. Tap twice to view the photo or video.

Camera settings

To change the camera settings, tap the  (Settings) icon.

Basic settings




You can set basic options for the camera. The settings on the **Basic** tab are used while taking photos and also while recording video clips.

- **Enable Shutter Sound** – Select this option to play a shutter sound while clicking photos.
- **Photo File Prefix** – Specify a prefix name for the photos you click.
- **Video File Prefix** – Specify a prefix name for the video clips you record.
- **Save file to** – Specify a location on your HP iPAQ where you want to store your photos and videos.

You can use additional features, such as **White Balance**, **Effect**, **Contrast**, and **Flicker**, to enhance the appearance of your photos or videos.

Photo settings

Tap the **Photo** tab, to configure the required settings for capturing photos.


- **Capture Mode** – Enables you to change the mode for capturing photos.
 - **Normal** – Align the focus rectangle with your object and press the **Camera** key located on the right-hand side of your HP iPAQ. When the focus rectangle turns green, press the **Camera** key again to capture the photo.
 **NOTE:** This is the default mode for capturing photos.
 - **Timer** – Use this mode to capture self portraits. After you press the **Camera** key, a time delay of 10 seconds will be displayed in the focus rectangle.
 - **Burst** – Use this mode to capture a set of 5 photos by pressing the **Camera** key.
 - **Frame** – Use this mode to capture a photos with decorative frames.
 - **Panorama horizontal** – Use this mode to create horizontal panoramic images, such as vast landscapes and city skylines. Press the **Camera** key to shoot the left-most photo first. When shooting the next photo, 1/3 of the previous photo is displayed on the left side of the screen. This helps match the previous photo when capturing the next photo. After capturing all photos, tap the  (Stitch) icon to stitch them.
 - **Panorama vertical** – Use this mode to create vertical panoramic images, such as monuments and tall structures. Press the **Camera** key to shoot the top photo first. When shooting the next photo, 1/3 of the previous photo is displayed on the top of the screen. This helps match the previous photo when capturing the next photo. After capturing all photos, tap the  (Stitch) icon to stitch them.
- **Resolution** – Select a resolution for your photos from the available options: **QVGA – 320 X 240**, **VGA – 640 X 480**, **1M – 1280 X 960**, **1.3M – 1280 X 1024**, **2M – 1600 X 1200**, and **3M – 2048 X 1536**.
- **Photo Quality**: Select the quality of the photo as **Low**, **Normal**, or **High**.


Video recorder

You can use the built-in camcorder on your HP iPAQ to create short videos and share them with your friends and family.

To record videos:


1. Tap **Start > Programs > Camera**.

 **TIP:** You can also press the **Camera** key, on the right panel, to launch the **Camera** program.












2. Tap  (Camera) icon to go into the video mode.
3. Press the **Camera** key to start recording. Press the **Camera** key again to stop recording.






Video settings

To configure settings for recording videos:

1. Tap the  (Settings) icon.
2. Tap the **Video** tab.
3. Configure the following settings:
 - **Video Format** – Select the video format.
 - **Resolution** – Select a resolution for your videos from the available options: **QCIF(176 X 144)** or **QVGA(320 X 240)**.
 - **Record Voice** – Select this check box to record audio along with the video.
 - **Fit to MMS** – Select this check box to ensure that the recorded video does not exceed the file size that an MMS can hold.

Options for camera and video recorder

Icon	Description
	Device – This icon displays the number on the left top corner of the screen that indicates how many photos you can save to the current storage device. The storage devices available are phone memory and external storage card.
	Flash off – Tap to turn the flash on.
	Flash on – Tap to turn the flash off.
	Resolution – Tap to change the resolution.
	Exit – Tap to close the program.
	HP Photosmart Mobile – Tap to launch HP Photosmart Mobile to view the captured photos.
	Video – Tap to switch to the camera mode.
	Settings – Tap to change the settings.
	Zoom – Move the slider to zoom out or zoom in. NOTE: You need to tap the screen while capturing photos to view the Zoom slider. You will not be able to zoom in or out when the camera is used with 3M resolution.
	Brightness – Move the slider to adjust the brightness. NOTE: You need to tap the screen while capturing photos to view the Brightness slider.
	Panorama – This icon is displayed while capturing horizontal or vertical panorama photos.

Icon	Description
	Stitch – Tap to stitch the photo into a panorama after capturing a set of photos in the Panorama modes.
	Camera – Tap to switch to the video mode.
	Send As – Tap this icon to send captured photos using MMS.
	Delete – Tap to delete the current photo.
	Play – Tap to play current video clips. You can Stop , Pause , or Play the video by tapping on the control icons. The time bar shows the playback progress.

Transfer images

You can transfer the photos and videos captured using your HP iPAQ to any e-mail account, mobile phone or a computer.

Use MMS

When the phone radio is turned on for the first time, the **HP iPAQ DataConnect** program detects the service provider and automatically populates the MMS settings on the HP iPAQ.



NOTE: You need a data-enabled SIM installed in your HP iPAQ.

To transfer pictures using MMS:

1. Tap **Start > Messaging > SMS/MMS > Menu > New > MMS**.
2. Tap **Insert picture/video** and tap the picture or the video you want to attach.
3. Specify the recipient's details in the **To** field.
4. Tap **Send**.

Use Bluetooth

You can transfer images from your HP iPAQ to other devices.

To transfer images using Bluetooth:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Scroll and select a picture.
3. Tap **View**.
4. Tap **Menu > Send... > Bluetooth**.
5. Tap **Next**.
6. Select the device and tap **Tap to send**.

Use e-mail

You send the photos and videos you capture using your HP iPAQ as an e-mail attachment.


To send pictures using e-mail:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap the thumbnail, to be sent through e-mail and tap **View**.
3. Tap **Menu > Send... > E-mail Attachment**.
4. Select the **Reduce sent photo size to** check box and select the reduction in resolution.
5. Tap **Next**.
6. Enter the appropriate e-mail address or use **Contacts** by tapping **Menu > Add Recipient**.
7. Enter other appropriate information, such as an e-mail subject and message.
8. Tap **Send**.

12 Storage cards

Use an optional storage card for:

- Expanding the memory of your HP iPAQ.
- Storing pictures, video clips, music, and programs.

 **NOTE:** Storage cards are not included with your HP iPAQ, and must be purchased separately.

For more information about storage cards, visit <http://www.hp.com>, and then go to **Home and Home office > Handhelds & Calculators > iPAQ accessories**.

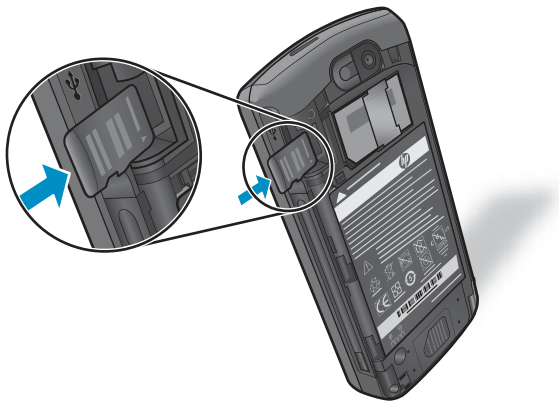
Insert a storage card

To insert a storage card:

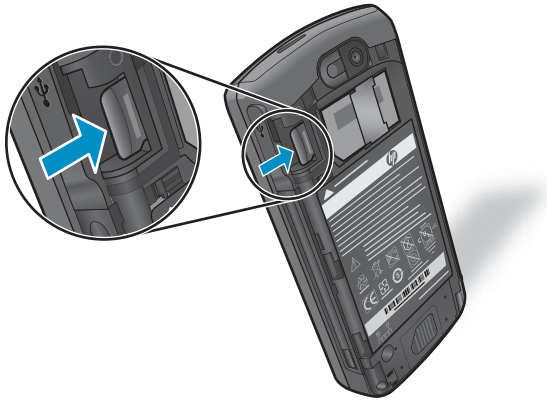
1. Open the back cover.



2. Slide the storage card in the microSD slot with the metal area facing down and inserted first into the HP iPAQ.



3. Push the card in the slot to lock it in place.



4. Close the back cover.



If you have trouble inserting a storage card, try the following:

- Make sure you are not inserting the card at an angle.
- Make sure you are inserting the metal area first and facing down.

Remove a storage card


To remove a microSD storage card from the storage slot on the HP iPAQ:

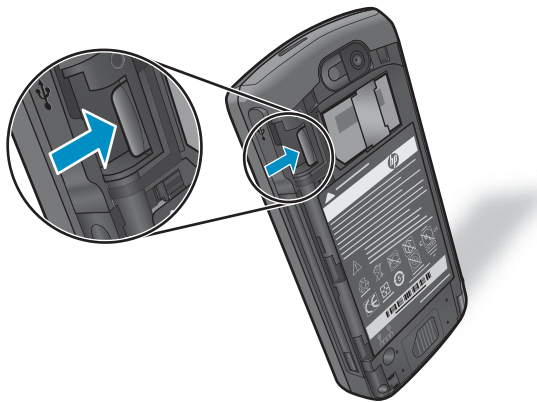
1. Save your changes and close all running programs.

2. Open the back cover.



3. Push the card in the slot to unlock the card.

 **NOTE:** The card is pushed out a little when you unlock it.



4. Remove the storage card from the storage card slot.



5. Close the back cover.



View contents of a storage card

Use **File Explorer** to view the files that are located on your storage card.

To view contents of a storage card:

1. Tap **Start > Programs > File Explorer**.
2. Tap **Up**.
3. Tap **Storage Card** from the file list displayed to view a list of files and folders stored on the storage card.

If the HP iPAQ does not recognize your storage card, try the following:

- Install any drivers that came with the storage card.
- Reset the HP iPAQ by removing and reinserting the battery.




NOTE: Make sure that you save your data before you reset.

13 Connections

You can use your HP iPAQ to connect and exchange information with other handheld devices, computers, and other networks. You can connect using:


- Wi-Fi
- Bluetooth
- Phone

 **NOTE:** You can also use your HP iPAQ as a wireless modem. For more information, see [Internet Sharing on page 93](#).

Connect by tapping **Wireless Manager** on the **Today** screen or by tapping **Start > Settings > Connections > Wireless Manager**.

Use Wireless Manager

Use **Wireless Manager** to turn the wireless connections for Wi-Fi, Bluetooth, and Phone off and on.

 **NOTE:** When the phone connection is turned off, you cannot receive or make a call, including emergency calls.

To use **Wireless Manager**, tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**.

Option	Description
All	Tap All to turn the functions of the Wi-Fi , Bluetooth , and Phone connections off or on.
Wi-Fi	Tap Wi-Fi to turn the Wi-Fi connection off or on.
Bluetooth	Tap Bluetooth button to turn the Bluetooth connection off or on.
Phone	Tap Phone button to turn the Phone connection off or on.

In flight mode, all wireless connections are turned off.

HSPA/GPRS/EDGE

Your HP iPAQ is a 3.5G device that supports high and better data throughput. It supports HSPA known as 3.5G to transmit voice and data at the same time, WCDMA known as 3G to transmit voice and data at the same time, EDGE known as 2.75G to transmit data, GPRS known as 2.5G to transmit data, and GSM known as 2G to transmit voice.


HSPA

High Speed Packet Access (HSPA), also known as 3.5G, is an enhancement of Wideband Code Division Multiple Access (WCDMA) which is based on 3G technology, and offers better data throughput. Your HP iPAQ supports HSPA 3.6 to 7.2 Mbps for high speed downloads and 2 Mbps for high speed uploads. HP iPAQ also supports WCDMA over three different frequency bands (900/1900/2100). When WCDMA

or HSPA is available, the HP iPAQ uses the technology and reverts back to GSM/GPRS/EDGE if WCDMA or HSPA is unavailable. Your HP iPAQ also supports WCDMA/HSPA in three different frequency bands (900/1900/2100).


GPRS/EDGE

The GPRS/EDGE technology enables the mobile phone network to be used for messaging or to access the corporate network or the World Wide Web.

 **NOTE:** EDGE is an enhancement to GPRS technology and enables higher speed data connections than GPRS. This means faster phone multimedia capabilities such as sending and receiving SMS/MMS messages, and sharing video clips. Check with your service provider to see if they support EDGE technology. If your service provider does not support the EDGE network, the HP iPAQ defaults to GPRS.

Differences between GSM and GPRS/EDGE/WCDMA/HSPA technology

GSM technology is typically used for voice calls and text messaging, whereas GPRS/EDGE/WCDMA/HSPA technology provides a data connection to the Mobile Phone Network that can be used for Web browsing, Multimedia Messaging Service (MMS), or accessing your corporate network.

 **NOTE:** If data services are used, they are charged additionally to your standard mobile phone service. Check with your service provider for data services and cost.

If you have trouble with your connection, contact your service provider.

Bluetooth

Bluetooth accommodates wireless communication with other Bluetooth-enabled devices. Send and receive files from one device to another over Bluetooth within a range of 10 meters (about 30 feet). You can also use Bluetooth to connect to a Bluetooth headset, computer, car kits, and other Bluetooth-enabled devices.

Bluetooth terms

HP recommends that you become familiar with the following terms as you begin to use Bluetooth technology.

Term	Definition
Authentication	Verification of a numeric passkey in advance of connection or activity.
Authorization	Approval of a connection, access, or activity before it can be completed.
Bonding (Paired devices)	Creating a trusted connection between your device and another. After a bond is created, the two devices become paired. A paired device does not require authentication or authorization.
Device address	Unique electronic address of a Bluetooth device.
Device discovery	Location and recognition of another Bluetooth device.
Device ID	Name that a Bluetooth device provides when discovered by another device.
Encryption	Method of protecting data.

Term	Definition
Passkey	Code you enter to authenticate connections or activities that the other device requests.
Personal Information Manager (PIM)	Collection of programs used to manage daily business tasks (for example: Contacts, Calendar, and Tasks).
Profiles	Collection of Bluetooth settings.
Service discovery	Determination of which programs you have in common with other devices.

Open Bluetooth settings

To open Bluetooth settings:

1. Tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**.
2. Tap **Menu > Bluetooth Settings**.

Use a Bluetooth headset

To connect a Bluetooth headset:

1. Turn on your headset and place it within a few feet (a meter or so) of your HP iPAQ.
2. Set your headset to visible. You can refer to the documentation that is provided with your headset. This allows your device to detect it and establish a connection.
3. Tap **Start > Settings > Connections > Bluetooth**.
4. Tap **Add new device....** Your HP iPAQ searches for other devices with Bluetooth capabilities and displays them in the list.
5. Tap the name of the headset, tap **Next**, and then follow the on-screen instructions to establish a connection.

Create a Bluetooth partnership

To exchange information between your HP iPAQ and another device that has Bluetooth capabilities, first create a Bluetooth partnership between your HP iPAQ and a Bluetooth enabled device.



NOTE: To exchange information between two Bluetooth-enabled devices, make sure Bluetooth is turned on, on both devices. The devices need to be in the discoverable mode.

To create a Bluetooth partnership:

1. Tap **Start > Settings > Connections > Bluetooth**.
2. Tap **Add new device....** Your HP iPAQ searches for other devices with Bluetooth capabilities and displays them in the list.
3. Tap the name of the other device, and then tap **Next**.
4. If you want to set a passcode, which is recommended for enhanced security, enter an alphanumeric passcode between 1 and 16 characters in the **Passcode** box, and then tap **Next**. Otherwise, leave the passcode blank, and tap **Next**.



NOTE: For creating partnerships with cellular phones, it is mandatory that you provide a numeric passcode.

5. Enter the same passcode on the other device.
6. Tap **Done**.

If you cannot discover another device, try the following:

- Make sure Bluetooth is turned on.
- Move the devices closer to each other.
- Make sure the device you are attempting to connect is on and is visible to other devices.

End a Bluetooth partnership

To delete a Bluetooth partnership:

1. Tap **Start > Settings > Connections > Bluetooth**.
2. Tap and hold the partnership to delete.
3. Tap **Delete**.
4. Tap **Yes**.

Accept a Bluetooth partnership

To accept a Bluetooth partnership:

1. Make sure that your HP iPAQ is visible and within close range (up to 10 meters, or about 30 feet) of the pairing device.
 - a. Tap **Start > Settings > Connections > Bluetooth > Mode**.
 - b. Select the **Make this device visible to other devices** check box.
 - c. Tap **ok**.
2. When prompted to accept a partnership with the device that is requesting the relationship, tap **Yes**.
3. If a passkey is requested, enter an alphanumeric passkey between 1 and 16 characters in **Passkey** box, and then tap **Next**. Enter the same passkey in the device that requests the partnership. Using a passkey provides greater security.
4. Tap **Done**.

Edit a Bluetooth partnership

To rename a Bluetooth partnership:


1. Tap **Start > Settings > Connections > Bluetooth**.
2. Tap and hold the partnership to edit.
3. Tap **Edit**.
4. In the **Display Name** box, enter a new name for the partnership.
5. Tap **Save**.

Connect to a computer using Bluetooth

Connect to a Bluetooth-enabled computer using ActiveSync or WMDC. For more information about ActiveSync and WMDC, see [Synchronization on page 77](#).

To connect to a computer through Bluetooth using ActiveSync:

1. Follow the instructions in the synchronization software help on the computer for configuring Bluetooth on your computer to support ActiveSync.
2. On your HP iPAQ, tap **Start > Programs > ActiveSync**.
3. Tap **Menu > Connect via Bluetooth**. Make sure the HP iPAQ and computer are within close range.
4. If this is the first time you have connected to this computer through Bluetooth, complete the Bluetooth wizard on your HP iPAQ and set up a Bluetooth partnership with the computer.
5. Tap **Sync**.
6. Tap **Menu > Disconnect Bluetooth** to disconnect when you do not require the Bluetooth connection.

 **TIP:** To preserve battery power, turn off Bluetooth when not in use. For best results, connect your HP iPAQ to the computer using a USB cable to establish a synchronization before connecting through Bluetooth.

To connect to a computer through Bluetooth using WMDC:

1. Follow the instructions in synchronization software help on the computer for to configure Bluetooth.
2. On your HP iPAQ, tap **Start > Programs > ActiveSync**.
3. Tap **Menu > Connect via Bluetooth**. Make sure that the HP iPAQ and computer are within close range.
4. When prompted, if you would want to set up a partnership, tap **Yes**.
5. On the computer, when prompted that a Bluetooth device is attempting to connect with the computer, click **To allow this connection**.
6. To disconnect, tap **Menu > Disconnect**.

Use your HP iPAQ as a wireless modem with Bluetooth

Use your HP iPAQ as a wireless modem to connect your Bluetooth-enabled computer to the Internet. For more information, see [To connect to a computer using Bluetooth data connection on page 94](#)

Bluetooth device profiles

The functions that Bluetooth supports are called services or profiles. You can communicate only with Bluetooth devices that support at least one of the following profiles:

- ActiveSync Over Bluetooth
- Advanced Audio Distribution Profile (A2DP)
- Generic Access Profile (GAP)
- Hands-Free Profile (HFP)
- Headset Profile (HSP)

- Generic Object Exchange Profile (GOEP)
- Object Push Profile (OPP)
- Serial Port Profile (SPP)
- Bluetooth Phone Book Access Profile (PBAP)
- File Transfer Profile (FTP-Server only)
- Personal Area Networking (PAN) Profile
- Audio/Video Remote Control Profile (AVRCP)
- Dial-up Networking (DUN) Profile

Access services

If you choose to require authorization to access services, you have to authorize each connection. Your HP iPAQ always asks you if the connection should be permitted.

To set authorization to access services:

1. Tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**.
2. Tap **Menu > Bluetooth Settings**.
3. Configure the service you want to enable using the options displayed on the different tabs.
4. Tap **ok**.

Set up an incoming or outgoing Bluetooth communications (COM) port

To set up incoming or outgoing Bluetooth COM port:

1. Make sure your HP iPAQ is connected to the other device through Bluetooth.
2. Tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**.
3. Tap **Menu > Bluetooth Settings**.
4. Tap **COM Ports**.
5. Tap **New Incoming Port** or **New Outgoing Port**.



NOTE: **New Outgoing Port** is only available if at least one Bluetooth device supports serial (COM) connection.

6. Select a numbered COM port from the list.



NOTE: If the port cannot be created, it is already in use. Select a different numbered port.

7. To limit communication on this COM port to only devices with which the HP iPAQ has a Bluetooth partnership, select the **Secure Connection** check box.
8. Tap **Finish**.

End a Bluetooth connection


End a Bluetooth connection when you are done using it in order to free your HP iPAQ's resources and conserves battery power.

To end a Bluetooth connection:

1. Tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**.
2. Tap **Menu > Bluetooth Settings**.
3. Tap and hold the connection that you want to delete.
4. Tap **Delete**.

Wi-Fi


The Wi-Fi feature in your HP iPAQ enables wireless Internet connectivity and is an effective replacement for cable based connections. Wi-Fi uses access points to transmit and receive data. Your HP iPAQ can connect to an 802.11b/g Wi-Fi or connect directly to other Wi-Fi-enabled devices.

 **NOTE:** The alphabet following 802.11 determines the frequency used, speed at which data transfer takes place, and the signal range for the Wi-Fi-enabled device.

Use Wi-Fi to complete these tasks:

- Access the Internet.
- Send and receive e-mail.
- Access corporate network information.
- Use VPNs for secure remote access.
- Use hotspots for wireless connectivity.

Tap **Start > Settings > Connections > Wi-Fi**.

 **NOTE:** Using dial-up or wireless networks to access a corporate network, e-mail, or other wireless communications, such as Bluetooth devices, might require separate hardware together with a Wi-Fi infrastructure and a service contract.

Check with your service provider for availability of network coverage in your area. Not all Web content might be available. Some Web content might require installation of additional software.

Wi-Fi terms

Become familiar with the following terms as you begin to use Wi-Fi.

Term	Definition
802.11 standard	An approved standard specification of radio technology from the Institute of Electrical and Electronics Engineers (IEEE) used for wireless local area networks (Wi-Fi).
Device-to-computer or ad-hoc	A mode that does not use access points. It provides independent peer-to-peer connectivity in a wireless LAN.
Domain Name System (DNS)	The way that Internet domain names are located and translated into IP addresses. It is an easy name to remember for an Internet address. Every Web site has its own specific IP address on the Internet.
Encryption	An alphanumeric (letters and/or numbers) conversion process of data primarily used for protection against any unauthorized access.

Term	Definition
Hotspots	Public or private areas where you can access Wi-Fi service. These wireless connections can be located, for example, at a library, cyber cafe, hotel, airport lounge, or convention center. This service can be free or sometimes requires a fee.
Infrastructure	This connection mode uses wireless access points to connect to networks.

Open Wi-Fi settings

Access Wi-Fi settings to add, edit, and delete Wi-Fi connections on your HP iPAQ.

To open Wi-Fi settings:

1. Tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**.
2. Tap **Menu > Wi-Fi Settings**.
3. Modify the settings you want to change.
4. Tap **ok**.

Connect to a Wi-Fi network

When you try to connect to a Wi-Fi network, the HP iPAQ automatically detects Wi-Fi networks that are broadcasting their signal. If your Wi-Fi network is not set to broadcast, then you have to connect to it manually. While trying to connect to a Wi-Fi network if authentication is required, contact your network administrator for the details and enter the authentication information correctly.

To connect to a Wi-Fi network:

1. Tap **Start > Settings > Connections > Wireless Manager > Wi-Fi**.
2. After your HP iPAQ detects a Wi-Fi network, you are asked to connect. Select the network that you want to connect to and tap **Connect**.

Manually connect to a Wi-Fi network

Manually configure a wireless network by entering the required settings information.

To manually connect to a Wi-Fi network:

1. Tap **Start > Settings > Connections > Wi-Fi**.
2. Tap **Wireless > Menu > Add New...**
3. Enter the network name.
4. Select **The Internet** to connect to the Internet through an ISP or select **Work** to connect to a company network in the **Connects to** list.



NOTE: You should select **Work** if the network requires a proxy server.

5. Select the **This is a hidden network** check box to connect a hidden network.
6. Select the **This is a device-to-device(ad-hoc) connection** check box to connect ad-hoc network.

7. Tap **Next**.
 - To use authentication, select an authentication method from the **Authentication** list.
 - To use data encryption, select an encryption method from the **Data Encryption** list.
 - To automatically use a network key, tap **The key is automatically provided** check box. You can also enter the **Network key** and **Key index**.
8. Tap **Next**.
9. Select the **Use IEEE 802.1x network access control**, and then specify the **EAP type** from the list.
10. Tap **Finish**.

Find an IP address

Determine your IP address to make sure that an address is assigned to the network and your HP iPAQ is able to access the network.

To find an IP address:

1. Connect to a network automatically or manually by tapping **Start > Settings > Connections > Wi-Fi > Network Adapters**.
2. Select an adapter in the **Tap an adapter to modify settings** list. The Wi-Fi IP address is displayed in the **IP address** box.

Delete a Wi-Fi network

You can delete networks you manually enter. However, you cannot delete automatically detected networks.

To delete an existing or available wireless network:

1. Tap **Start > Settings > Connections > Wi-Fi**.
2. Tap **Wireless**.
3. In the **Configure Wireless Networks** box, select the Wi-Fi network to delete.
4. Tap **Menu > Remove Settings**.

Advanced settings

If your network is behind a firewall, please configure the advanced settings to connect to the Internet or to access secured intranet sites.


Connect to intranet URLs

To connect to intranet sites that have periods in their URLs (for example, intranet.companyname.com), add them to the **Work URL Exceptions** list.

To connect to intranet URLs:

1. Tap **Start > Settings > Connections > Connections > Advanced > Exceptions...**
2. Tap **Add new URL...**


3. In **Work URL**, enter the intranet URL.
4. Tap **ok**.

 **NOTE:** If you use many URLs that share the same root company name, you can avoid entering each individually by entering ***.companyname.com**.

Change an intranet URL

To change an intranet URL:

1. Tap **Start > Settings > Connections > Connections > Advanced > Exceptions...**
2. Tap the intranet URL exception to change, then make the required changes.
3. Tap **ok**.

 **NOTE:** To delete a work URL exception, tap and hold it in the list, then tap **Delete**.

Set up an automatic choice for connections

If you have already created more than one connection, you can set up your HP iPAQ to connect to the best available connection automatically.

To set up an automatic choice for connections:

1. Tap **Start > Settings > Connections > Connections > Tasks**.
2. Under **My ISP** or **My Work Network**, tap **Add a new modem connection** to create a new connection.
3. After you create a new connection, under **My ISP** or **My Work Network**, tap **Manage existing connections**.
4. Tap **Auto pick**.

 **NOTE:** For **Auto pick** option to be available, you need more than one connection.

5. Tap **ok**.

Set up a WAP gateway

To access Wireless Access Point (WAP) sites through Pocket Internet Explorer, configure your HP iPAQ to use a WAP gateway.

Before you begin, obtain the following information from your ISP or network administrator:

- User name
- Password
- ISP server phone number
- WAP gateway server IP
- Port number

To set up a WAP gateway:

1. Tap **Start > Settings > Connections > Connections > Advanced > Select Networks > Edit...** to edit **iPAQ WAP** from the **Programs that automatically connect to the Internet should connect using** list. If a proxy server has not been set up, tap **New...**
2. On the **Proxy Settings** tab, select the **This network connects to the Internet** and **This network uses a proxy server to connect to the Internet** check boxes.
3. If necessary, enter the proxy server name in the **Proxy server** box.
4. Tap **Advanced > WAP**.
5. In the **Server** box, enter the WAP gateway server name. Under **Port**, enter the port number. Your HP iPAQ already has the GPS port specified by default.
6. Enter any logon credentials required by the WAP gateway server.
7. Tap **ok**.

Configure advanced proxy settings


To configure advanced proxy settings:

1. Tap **Start > Settings > Connections > Connections > Advanced > Select Networks > Edit...** to edit **iPAQ WAP** from the **Programs that automatically connect to the Internet should connect using** list. If a proxy server has not been set up, tap **New...**
2. On the **Proxy Settings** tab, select the **This network connects to the Internet** and **This network uses a proxy server to connect to the Internet** check boxes.
3. If necessary, enter the proxy server name in the **Proxy server** box.
4. For the appropriate server type, enter the proxy server name and port.
5. If necessary, enter the credentials for connecting with your proxy server.
6. Tap **Advanced > Socks**.
7. Select **Socks 4** or **Socks 5**. If using Socks 5, enter the credentials for connecting with your proxy server.

Advanced connection settings

To set up advanced connections:

1. To connect to a network, tap **Start > Settings > Connections > Connections > Advanced > Select Networks**.
2. Select **My ISP** to connect to the Internet through an ISP or select **My Work Network** to connect to a company network. Select **My Work Network** if the network requires a proxy server. If you need to change or create a network management name, tap **Edit...** or **New...**, and then tap **ok**.
3. On the **Connections** screen, tap **Advanced > Dialing Rules...**
4. To avoid creating a new connection for each location, select the **Use dialing rules** check box.

 **NOTE:** You can edit a dialing rule by tapping **Edit** on the **Dialing Rules** screen. To do so, enter details such as **Name**, **Country code**, and **Area code**.

5. To create URL exceptions, on the **Connections** screen tap **Exceptions... > Add new URL**, enter the URL, and tap **ok**.

Set up a VPN server connection

A VPN connection enables secure connectivity to your corporate network through the Internet.



NOTE: Contact your service desk or IT desk to configure VPN connection.

Before you begin, obtain the following information from your network administrator:


- User name
- Password
- Domain name
- TCP/IP settings
- Host name or IP address of the VPN server

To set up a VPN server connection:

1. Tap **Start > Settings > Connections > Connections > Tasks**.
 2. Under **My Work Network**, tap **Add a new VPN server connection** and follow the instructions in the New Connection wizard.
 3. Under most circumstances, you should not change any advanced settings. However, you need to change advanced settings when:
 - The server to which you are connecting does not use dynamically-assigned addresses, and you need to enter your TCP/IP settings.
 - You need to change server DNS or WINS settings that you can obtain from your network administrator.
- If either of these circumstances applies, from the **My VPN** screen, tap **Advanced** and fill in the appropriate information. Tap **ok** to save the changes and return to the **My VPN** screen.
4. To view additional information for any screen in the wizard or while changing settings, tap **Help**.

End a connection

Disconnect active connections on your HP iPAQ when it is not in use. This can save Internet connection charges and also conserve the battery.

- When connected by cable, detach your HP iPAQ from the cable.
- When connected through Bluetooth, tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**. Next, tap **Bluetooth** to turn Bluetooth off.
- When connected through Wi-Fi, tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**. Next, tap **Wi-Fi** to turn Wi-Fi off.
- When connected through GPRS, press the  (End/Power) key.


14 Synchronization

Connect and synchronize your e-mail, tasks, and contact details between your HP iPAQ and your computer. After connecting, transfer files that are stored on your computer to your HP iPAQ. You can also transfer data stored on your HP iPAQ to your computer. Synchronize e-mails, tasks, and contact details between your HP iPAQ and your computer.

Synchronization software

If your computer is running Windows XP or an earlier version of Windows, synchronization settings are managed through Microsoft ActiveSync. Microsoft ActiveSync 4.5 is available on the *Getting Started* CD, or go to <http://www.microsoft.com/windowsmobile> and click on the **Starting Out** tab to download the latest version of Microsoft ActiveSync.

If your computer is running Windows Vista, synchronization settings are managed through Windows Mobile Device Center (WMDC). WMDC 6.1 is available on the *Getting Started* CD, or go to <http://www.microsoft.com/windowsmobile> and click on the **Starting Out** tab to download the latest version of WMDC.


 **NOTE:** Microsoft ActiveSync or WMDC must be installed on your computer before you connect your HP iPAQ to the computer.

Set up the Synchronization application

After installing the Synchronization software, you can configure your HP iPAQ through the synchronization setup wizard.

To configure your HP iPAQ using the sync setup wizard:

1. Connect your HP iPAQ to the computer using the Micro-USB synchronization cable and wait for the synchronization software to launch (WMDC for Windows Vista and ActiveSync for Windows XP).
2. Click **Next** after the sync setup wizard is displayed.
3. Select one of the following options:
 - Select the **Synchronize directly with a server running Microsoft Exchange. To do this now, you will need to have the server address and your logon credentials** check box and click **Next**. Enter the required information on the screen to configure your e-mail account using the Exchange Server.
 - To sync your HP iPAQ to the Outlook e-mail account on your computer, clear the **Synchronize directly with a server running Microsoft Exchange. To do this now, you will need to have the server address and your logon credentials** check box, and then click **Next**.
4. Select the item to synchronize from the **Information Type** list and select either **Windows PC (This PC)** or **Microsoft Exchange** from the **Source** list.
5. Click **Next** and click **Finish** to complete the setup.

 **NOTE:** Configuring the synchronization program is a one time activity. After the setup is completed, synchronization takes place every time your HP iPAQ is connected to your computer.

After installing the synchronization program you can synchronize Outlook, Contacts, e-mails, Calendar, Task, and any other features. You can also copy files to and from the computer using ActiveSync or WMDC.

Synchronize data and copy files

To copy files when setting up the synchronization program:

1. Connect your HP iPAQ to the computer using the Micro-USB synchronization cable and wait for the synchronization software to launch (WMDC for Windows Vista or ActiveSync for Windows XP).
2. Click **Next** after the sync setup wizard opens.
3. Select one of the following options:
 - Select the **Synchronize directly with a server running Microsoft Exchange. To do this now, you will need to have the server address and your logon credentials** check box and click **Next**. Enter the required information on the screen to configure your e-mail account using the Exchange Server.
 - To sync your HP iPAQ to the Outlook e-mail account on your computer, clear the **Synchronize directly with a server running Microsoft Exchange. To do this now, you will need to have the server address and your logon credentials** check box, and then click **Next**.
4. Select the item to synchronize from the **Information Type** list. To copy the files select **Files** and to copy media files select **Media**.
5. Follow the instructions displayed on the screen.
6. Click **Next** and click **Finish** to complete the setup.

To copy files using ActiveSync without using the sync setup wizard:

1. Connect your HP iPAQ to the computer using the Micro-USB synchronization cable and wait for the synchronization software to launch (WMDC for Windows Vista or ActiveSync for Windows XP).
2. After the sync setup wizard launches, click **Cancel** to continue copying files without using the wizard.
3. On the computer, select **Start > Microsoft ActiveSync**.
4. In the **ActiveSync** window, select **Explore**.
5. Double-click **My Windows Mobile-Based Device** and select the files to be copied to or from your computer.
6. Open **Windows Explorer** on your computer and locate the files to be copied to or from your HP iPAQ.
7. Drag and drop the files between your HP iPAQ and the computer. ActiveSync converts the files so that they can be used by the Microsoft® Office Mobile programs, if necessary.



NOTE: You cannot copy pre-installed files or system files.

To copy files using WMDC:

1. Connect your HP iPAQ to the computer and wait for WMDC to launch automatically.
2. Click **File Management** to access the **Mobile Device** folder for your device.
3. In the **Mobile Device** folder, navigate to and select the file to copy on your device or computer.


Move the files directly into **My Documents** on your HP iPAQ, or into a folder inside **My Documents**.

Port data to Microsoft Windows Mobile 6.1


If you were using a different device prior to purchasing HP iPAQ, you can port the existing data in that device to Microsoft Windows Mobile 6.1.

To port data to Windows Mobile 6.1:

1. Make sure that you have Microsoft Outlook 98 or later is installed on your computer.

 **NOTE:** In order to synchronize, Microsoft Outlook must be set as your default e-mail program. If you need to change your settings, open Microsoft Outlook, click **Tools > Options > Other** tab, and select the **Make Outlook the default program for E-mail, Contacts, and Calendar** check box. Click **Apply > OK**, and then restart your computer.

2. Switch synchronization from your synchronization software to Outlook. See the documentation provided with your device.
3. Synchronize your existing device with Outlook.

 **NOTE:** Use the latest synchronization software to synchronize your existing device with Outlook. To synchronize your existing device with Outlook, see the documentation provided with that device.

4. Synchronize the information from Outlook to your HP iPAQ.





 **NOTE:** Disconnect the existing device before you synchronize your HP iPAQ.

Troubleshoot synchronization issues

The following symptoms might indicate synchronization issues for Windows Vista:

- WMDC does not launch even after installation.

The following symptoms might indicate synchronization issues for Windows XP:

- No **ActiveSync** tone plays (or  gray icon displays), and there is no activity in the **ActiveSync** window on your computer.
- The **ActiveSync** tone plays, and the **ActiveSync** icon on your computer changes to  swirling green icon. The **Retrieving settings** message displays on your computer, but the **ActiveSync** connection drops before establishing the partnership.
- **ActiveSync** is searching for a connection but cannot establish one. (The  green icon on your computer continues to spin.)
- Synchronization has been established between your HP iPAQ and computer but the connection is dropped. (The  green icon on your computer stops spinning and grays out.)
- A firewall or other network protection software message box is displayed for **ActiveSync** to access the network or Internet.

Try suggestions from the following list of troubleshooting tips if you experience difficulty while synchronizing your HP iPAQ and computer.

- Check your computer OS before you begin synchronizing information between your HP iPAQ and computer. The synchronization method varies depending on the OS running on the computer.

If your computer is running Windows XP or an earlier version of Windows, synchronization settings are managed through Microsoft ActiveSync. Microsoft ActiveSync 4.5 is available on the *Getting Started* CD. Go to <http://www.microsoft.com/windowsmobile> and click **Starting Out** for more information or to download the latest version of Microsoft ActiveSync.

If your computer is running Windows Vista, synchronization settings are managed through WMDC. WMDC 6.1 is available on the *Getting Started* CD. Go to <http://www.microsoft.com/windowsmobile> and click **Starting Out** to download the latest version of Windows Mobile Device Center.



NOTE: HP does not guarantee functionality of any third-party programs.

- If you are running **ActiveSync** 4.5 or later and personal firewall software on your computer, add **ActiveSync** to the firewall program's exception list.

Firewall software, such as Sygate Personal Firewall, TrendMicro PC-cillin Internet Security 2005, Norton Personal Firewall, McAfee Personal Firewall, or Zone Alarm Security Suite, might block synchronization. See the documentation that came with your firewall program to determine how to add ActiveSync 4.5 or later to the program's exception list. To further troubleshoot a firewall program and enable ActiveSync 4.5 or later, go to <http://www.microsoft.com/windowsmobile>.
- If, during the **ActiveSync** installation, you inadvertently selected the **Microsoft Exchange Server** option check box and are not planning to connect to an Exchange Server, follow these steps:
 - Connect your HP iPAQ to your computer. Make sure an **ActiveSync** connection is established.
 - On your computer, click **Start > Microsoft ActiveSync**.
 - Click **Tools > Options**.
 - Clear the boxes for the sync items listed under the **Server group**.
 - Select the check boxes under the **Computer group** for those items to synchronize.
- Disconnect your HP iPAQ from your computer and wait for the **ActiveSync** message confirming that your device is no longer connected. Reconnect your HP iPAQ to your computer. Wait to see if your HP iPAQ connects to your computer.
- On your computer, in **ActiveSync**, select **File > Connection Settings**. Confirm that USB is selected as a potential connection method.
- Connect your HP iPAQ to a different USB port on your computer.
- Check your Micro-USB synchronization cable.
- Try synchronizing through a Bluetooth connection.
- Unplug your HP iPAQ from your computer, and then re-connect.
- Uninstall **ActiveSync** from your computer, and then reinstall it. To uninstall **ActiveSync** from your computer, click **Start > Control Panel > Add or Remove Programs > Microsoft ActiveSync**. Next, click **Remove > Yes**.

Reinstall your programs on your HP iPAQ after the hard reset is complete by using ActiveSync on your computer. After your HP iPAQ is synchronized correctly, go to **ActiveSync** on your computer, select **Tools > Add/Remove Programs**, and then select any programs to reinstall.

Customized links in WMDC

Set up your device to synchronize the Outlook contacts, e-mail, and other information on your device, or just skip the setup process and connect the device.

After the device is connected to your computer, the following links are displayed on your computer:

- **Programs and Services**
- **Pictures, Music, and Video**
- **File Management**
- **Mobile Device Settings**

To view a list of customized links, navigate to **Programs and Services**. Click **more>>** to view additional links for the various HP services and click **<<back** to go back to the previous screen.

15 Applications

Some specialized programs are built into your HP iPAQ. They make a range of tasks available from the device. Listen to your favorite MP3 music using Windows Media® Player Mobile. Record voice clips to be sent as an attachment to family and friends. Use Office Mobile programs to view presentations, spreadsheets, and documents. This section introduces these features and others to use your HP iPAQ to the fullest.

ArcSoft Streaming Player

Use the ArcSoft Streaming Player to access streamed audio and video files from the Internet. With streaming, you can watch the video or listen to the audio while it is downloading instead of waiting until the entire file is downloaded.

To play a streamed file from the Internet:

1. Tap **Start > Programs > Streaming Player**.
2. Tap **Menu > Open**.
3. Select a Web site from the **Recent History** list or enter a URL in the **Enter URL** box for the file you want to stream.



NOTE: You need to specify the entire URL with the file name and the extension.

4. Tap **Connect**.

To close the player:

- ▲ Tap **Menu > Exit**.

Customer Feedback

The **Customer Feedback** software collects information about your device. You may permit the device to send the information collected to Microsoft to improve the system software. This does not collect any personal information.

To enable customer feedback:

1. Tap **Start > Settings > System > Customer Feedback**.
2. Review the information displayed on the screen.
3. Select an option.
 - a. **Send Feedback:** Enables customer feedback.
 - b. **Don't Send Feedback:** Disables customer feedback.
4. Tap **ok**.

Games

Bubble Breaker

The objective of **Bubble Breaker** is to have balls (more than one) of the same color deleted from the screen. The fewer balls you leave behind, the higher your score will be.

Solitaire

The objective of **Solitaire** is to use all the cards in the deck to build up four suit stacks in ascending order, beginning with the aces. You win the game when all cards are on the suit stacks.

Global Positioning System (GPS) on your HP iPAQ

Use your HP iPAQ to connect to GPS satellites and determine your exact location. You can also download maps from the Internet.

See the detailed instructions from the navigation software vendor on how to use the navigation program, as it varies between country/region.



NOTE: You will have to purchase a turn-by-turn navigation solution software separately.



WARNING! When using hardware and software navigation aids, in a vehicle or elsewhere, it is your sole responsibility to place, secure, and use these aids in a manner that will not cause accidents, personal injury, property damage, or obstruct your view. You are solely responsible for observing safe driving practices. Please do not use the phone while you are driving. Park the vehicle first. The HP iPAQ GPS navigation solution is intended for automotive use only.

If you are going to use GPS navigation in your vehicle for an extended period of time, charge your HP iPAQ using an Auto adapter. If you do not have an Auto adapter, you can order one at <http://www.hp.com>.

For information on other GPS-centric accessories or other HP iPAQ mounting solutions, visit <http://www.hp.com>.

Prepare your HP iPAQ

Follow the setup instructions in the printed guide that ships with your product until you complete creating a partnership with your computer.

This includes:

- Installing the Subscriber Identity Module (SIM) card.
- Installing and charging the battery.
- Synchronizing your HP iPAQ with your computer.
- Establishing a partnership between your HP iPAQ and your computer.

Verify Internet access

To verify Internet access on the HP iPAQ:

- Visit a Web site such as <http://www.hp.com>. If you do not have an Internet connection and GPRS service, Internet Explorer displays an error message. Check with your service provider or wireless operator to confirm if the data connection^{1, 2, 3} on your device is enabled^{1, 2, 3}.



NOTE: 1 – A standard GSM/GPRS/EDGE/UMTS/HSPA infrastructure, Wi-Fi or other Bluetooth-enabled devices, separately purchased equipment, and a service contract with a wireless airtime provider may be required for applicable wireless communication. Wireless Internet access requires separately purchased Internet service contract. Check with service provider for availability and coverage in your area. Not all Web content might be available. Wireless transmission speeds may vary based upon network capabilities and other conditions. Establishment and continuation of a wireless connection depends on network availability, provider support, and signal strength.

2 – EDGE is a global standard for wireless wide-area data communication being rapidly deployed by GSM carriers worldwide. Actual download speeds may vary. Coverage is subject to transmission limitations and terrain, system, capacity, and other limitations. Not all features and service options are available in all areas.

3 – Telephone service requires separately purchased contract with a service provider with coverage in your service area. Additional fees may apply for some features, check with your service provider.

Verify the date and time

Verify the correct date and time on your HP iPAQ. If the date and time are not correct, tap the Clock icon on the **Today** screen to set the date and time.

Download the GPS Connection Utility data file

Use the GPS navigation software available on your HP iPAQ to track your initial position, retrieve information from GPS satellites, and to navigate. The GPS software might take some time to get a fix on your initial position. Use GPS Connection Utility to reduce the time to first fix (TTFF). GPS Connection Utility downloads information from the Internet and stores this information on your HP iPAQ. The GPS navigation software can use this information to quickly track your initial position.



NOTE: The GPS Connection Utility downloads new data if the last downloaded data is expired. The expiration time on the data is set to 24 hours.

Be aware that enabling GPS Connection Utility might involve additional data connection charges.

To enable GPS Connection Utility:

1. Tap **Start > Settings > Connections > GPS Connection Utility**.
2. Select the **Automatic Update** check box.
3. Tap **Done**.

After the GPS Connection Utility data file has been downloaded, you might see improvements in the GPS performance as the time-to-first-fix (TTFF) reduces.


To disable GPS Connection Utility:

1. Tap **Start > Settings > Connections > GPS Connection Utility**.
2. Clear the **Automatic Update** check box.
3. Tap **Done**.

Verify compatibility with your HP iPAQ

If you are interested in purchasing additional GPS navigation software to use on your HP iPAQ, check with the GPS software supplier before you purchase, download, or install any GPS navigation software to determine that the software is compatible with your specific HP iPAQ model.

Once you have verified compatibility, purchase and install a map onto the HP iPAQ or memory card to be able to start using the GPS navigation technology.

 **NOTE:** It is recommended that you download all GPS maps to a memory card that is compatible with your HP iPAQ model. This prevents you from losing your map data due to a possible power loss or a need to perform a clean reset on the HP iPAQ.

Configure and manage my GPS software to connect to my HP iPAQ's GPS receiver automatically

Your GPS enabled HP iPAQ uses Microsoft Windows Mobile 6.1, so the operating system automatically manages access to the HP iPAQ GPS receiver to allow multiple programs to simultaneously access GPS data.

All GPS software programs need to know which communications port to use to access GPS data. Your HP iPAQ already has the GPS port specified by default for the GPS software programs that come with the device. However, sometimes if you install additional GPS programs onto your HP iPAQ GPS enabled device, you may need to manually specify the GPS port in your GPS program's configuration settings. For manual settings, refer to the documentation that came with your additional GPS software program.

Identify the COM port for my GPS receiver

The GPS receiver on your GPS enabled HP iPAQ is set to default configurations. To verify, tap **Start > Settings > System > External GPS**.

Improve a slow GPS connection


To improve GPS connection performance on HP iPAQ GPS enabled device, you need to download the latest GPS Connection Utility data file.

Even though GPS on your HP iPAQ is able to connect to the GPS satellites without enabling the GPS Connection Utility, it may take a few minutes longer and even up to five minutes to locate the satellites if you do not use this utility.

Since the GPS satellite data update files are small, you should be able to download them with a little or no impact to device performance. However, you need to buy a wireless data plan (GPRS, EDGE, UMTS, HSPA, or Wi-Fi) from your service provider before you can use this feature and GPRS connection charges may apply. Check with your service provider to see if additional charges apply.

Troubleshoot frequent GPS signal loss

To improve the satellite signal to the GPS enabled HP iPAQ, go outdoors and start the GPS navigation software. Place the HP iPAQ where there is a clear view of the sky or on the dashboard of a vehicle that does not have thermal glass windshields or windows. A direct line of sight is required between the HP iPAQ and the GPS satellites to access information from the satellites.

 **NOTE:** Interference might take place close to tall buildings, large trees, and under very cloudy or overcast skies, all of which can block the satellite signal from reaching the HP iPAQ. Try to avoid these obstructions before using GPS.


Troubleshoot common reasons for interference when using GPS software


Interference Type	How to Avoid
Vehicles with thermal glass windows and windshields.	Place the HP iPAQ where there is a clear view of the sky or on the dashboard of a vehicle that does not have thermal glass windows.

Interference Type	How to Avoid
Equipment radiating Radio Frequency (RF) energy or emitting strong electromagnetic radiation. For example, microwave ovens, high-power cordless phones, CB radios, Walkie-talkies, HAM equipment, or X-ray and MRI machines.	Move away from interference source or switch off the interference source.
Tall buildings, large trees, and very cloudy or overcast skies.	Move away from interference source so there is a clear view of the sky.

Google Maps™ for mobile


Google Maps™ offers street maps, a route planner, and an business locator.

 **NOTE:** Your service provider may charge data-service rates for using the program with a limited data plan or no data plan. Contact your service provider for more details.

 **WARNING!** When using hardware and software navigation aids, in a vehicle or elsewhere, it is your sole responsibility to place, secure, and use these aids in a manner that will not cause accidents, personal injury, property damage, or obstruct your view. You are solely responsible for observing safe driving practices. Do not operate this product while driving. Park the vehicle first.

Google Maps™ includes the following features to help you enhance your travel experience:

- **Real-time traffic** – Identify the location where congestion exists and estimate delays in major US metropolitan areas.

 **NOTE:** This feature may not be available in all countries/regions.


- **Detailed directions** – Display maps with step-by-step directions whether you plan to walk or drive.
- **Integrated search results** – Display local business locations and contact information all in one place, integrated on your map.
- **Easily movable maps** – Zoom in or out on maps. Move in all directions so you can orient yourself visually.
- **Satellite imagery** – Get a bird's eye view of your desired location.

To launch Google Maps™:

1. Tap **Start > Google Maps**.
2. On the **Terms and Conditions** screen, tap **Accept**.
3. On the **About** screen, tap **ok**.

To navigate Google Maps™:

1. Tap **Start > Google Maps**.
2. Tap **Menu > Directions...**
3. Enter your current location in the **Start point** box and destination in the **End point** box.
4. Tap **OK** to start the search.

 **NOTE:** The **My Location** feature is currently not available.


 **NOTE:** For more information, tap **Start > Google Maps > Menu > Help > Tips**.

Google Search

Google Mobile Web Search allows you to search for Web sites that are specifically designed for mobile phones and devices.

To launch Google Search:

1. Tap **Start > Google Search**.
2. Enter your search criteria in the **Search** box.
3. Tap **Search** to start the search.

 **NOTE:** Using this application might drain the battery quickly.

HP Asset Viewer


Use the **HP Asset Viewer** program, to view information about your HP iPAQ, integrated modules, and attached accessories.

To access HP Asset Viewer:

1. Tap **Start > Settings > System > HP Asset Viewer**.
2. To view additional system information, tap the appropriate tabs.
 - The **Identity** tab – displays the serial number and the user information.
 - The **Memory** tab – displays the device memory size for ROM and RAM on your HP iPAQ. It also displays information about the ROM flash, flash chip type, flash block size, and PSM driver version.
 - The **Version** tab – displays the product revision level, ROM date, ROM revision, OS version, BootLoader version, and XIP version.
 - The **Display** tab – displays settings, such as screen color, horizontal pixels, vertical pixels, color depth, display type, and panel ID.
 - The **System** tab – displays information about the manufacturer, product ID, model ID, processor type, processor revision, language, country ID, and UUID.
 - The **Camera** tab – displays camera details, such as the module installed, hardware revision, hardware and software driver versions, software version, camera API interface version, and camera information.
 - The **Keyboard** tab – displays information about the module present, firmware version, hardware revision, driver version, and software version.
 - The **Bluetooth** tab – displays information about radio present, firmware version, hardware revision, driver version, software version, and MAC address.
 - The **Wi-Fi** tab – displays information about radio present, firmware version, hardware revision, driver version, software version, IP address, and MAC address.
 - The **GSM** tab – displays information about radio present, radio firmware version, and IMEI number.
 - The **GPS** tab – displays information about the GPS present, status, manufacturer, revision level, driver version, firmware version, and software version.


Certificates

Certificates is an enhanced security feature for retrieving and registering new certificates. This application allows you to request a user certificate from a certificate server.

 **NOTE:** **Certificates** picks up the certificate types from Active Directory as well as from the HP iPAQ's data store. You must enter a server name for retrieving the certificate, and if required, a valid username and password.

To access **Certificates**:



1. Tap **Start > Settings > System > Certificates**.
2. Use the on-screen keyboard to enter server name, user name, and password. Tap **Retrieve** to initiate the transaction of downloading the certificate from the server.
3. Once the certificate is retrieved, tap **Menu > Cancel** to exit.

 **NOTE:** Tap **Menu > About** to view a brief description of the application, application name, version number, and copyright statement. On the **Enroll Certificates** screen, tap **Start > Help** for more information about the Certificate Enroller application.

HP Enterprise Mobility Suite

 **HP Enterprise Mobility Agent** is part of the **HP Enterprise Mobility Suite (EMS)**. Use it to configure and manage your HP iPAQ remotely.

The **HP Enterprise Mobility Agent** is not available in all countries.


 **NOTE:**  **HP Enterprise Mobility Agent** is activated remotely by a licensed HP Enterprise Mobility server, which is sold separately. To download **HP Enterprise Mobility Agent**, tap **Start > Programs > HP EMS**. Go to <http://www.hp.com/go/ems> for more information or contact your IT administrator to check if your company is currently using the **HP Enterprise Mobility Suite (EMS)**. The **HP Enterprise Mobility Suite (EMS)** provides the ability to remotely configure mobile services, diagnose the device, add and remove applications, lock and unlock it, and wipe the device in case it is lost or stolen.

HP iPAQ DataConnect

The first time you use your SIM card, **HP iPAQ DataConnect** automatically detects the phone network and operator and sets up the GPRS connection information for you. However, if your service provider offers different subscription types, then **HP iPAQ DataConnect** will show a window on your screen that lists the different subscriptions available. You need to select your subscription and tap **Select** for **HP iPAQ DataConnect** to automatically set up the mobile network connection parameters. In any case, you can change these settings to suit your preference or create your own network settings.

To configure the data settings manually:

1. Tap **Start > Settings > Connections > HP iPAQ DataConnect**.
2. Select a country and operator, and then tap **Select** to configure the network settings for the selected operator.
3. The data settings will be retrieved each time you try to connect to the Internet using GPRS.

 **CAUTION:** Do not edit network parameters unless you are being assisted by your service provider.

HP Photosmart Mobile

Use HP Photosmart Mobile to:

- View pictures and launch videos stored on your HP iPAQ or a storage card.
- Add voice or text notes to pictures.
- Print pictures.
- View a slideshow.
- Send pictures through MMS, e-mail attachments, or Bluetooth.
- Associate a contact with a picture.
- Assign a picture to the **Today** screen background.
- Upload a JPEG image to **Snapfish**.

View the pictures and videos stored on your HP iPAQ or a storage card

You can view photos and videos stored on your HP iPAQ or an external storage card using the HP Photosmart Mobile.

To view photos and videos:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap **Menu > Open Folder**.
3. Browse to the folder where you have saved the photo or video.
4. Tap **ok**.
5. Double tap the photo or video to view it.



NOTE: Video files will be played using **Windows Media Player**.

6. Tap **ok**.

Attach a voice note to a picture

To attach a voice note to a picture:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap the thumbnail to which you want to add a voice note.
3. Tap the (Sound) icon.
4. Tap the (Record) icon on the sound toolbar.
5. Speak into the microphone to record the voice note and tap the (Stop) icon when finished.
6. Tap the (Play) icon to play back the voice note.
7. To delete the recorded voice note, tap the (Delete) icon.
8. Tap the (Sound) icon again to close the sound toolbar.

Print pictures

To print pictures:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap the thumbnail of the image to be printed.
3. Tap **Menu > Print...**
4. Select an option from the **Choose a method** list.
 - **Storage Card**: Stores the files to print on a storage card.
 - **JETCET PRINT 5**: Prints files using a Wi-Fi, Bluetooth, or USB printer.
5. Tap **Next** and follow the on-screen instructions to print.








NOTE: Some printers do not support printing from a storage card.

You need to set up the printer before you begin printing photos from a storage card. Setup instructions vary from printer to printer.

You need to set up the printer before you begin printing photos using **JETCET PRINT 5**. For more information, see [Jetcet Print 5 on page 95](#).

View a slideshow

To view a slideshow:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap the  (Slideshow) icon at the bottom of the screen.
3. Tap the screen to view the  (Next),  (Previous),  (Stop), and  (Pause) icons.



TIP: You can also slide your finger over the screen to view the next or the previous image.

E-mail pictures



NOTE: You need to configure your e-mail messaging account to send pictures using e-mail.

To send pictures through e-mail:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap the thumbnail, to be sent through e-mail, and then tap **View**.
3. Tap **Menu > Send... > E-mail Attachment**.
4. Select the **Reduce sent photo size to** check box, and then select the reduction in resolution.
5. Tap **Next**.
6. Enter the appropriate e-mail address or use **Contacts** by tapping **Menu > Add Recipient**.
7. Enter other appropriate information, such as an e-mail subject and message.
8. Tap **Send**.

Associate a contact with a picture

To associate a contact with a picture:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap the thumbnail you want to associate with a contact.
3. Tap **Menu > Assign To > Contact**.


 **TIP:** You can also tap and hold the image, and then select **Assign To > Contact**.

4. Tap the name from the contact list.
5. Tap **ok**.

Assign a picture to the Today screen background

To assign a picture to the Today screen background:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap the thumbnail you want to assign to the **Today** screen.
3. Tap **Menu > Assign To > Today Background**.

 **TIP:** You can also tap and hold the image, and then select **Assign To > Today Background**.


4. Tap **Ok**.

Upload photos to Snapfish


The **Snapfish Upload** utility enables you to upload JPEG images from your HP iPAQ to your **Snapfish** account.

 **NOTE:** You need to have active Internet connection to upload image to a **Snapfish** account.

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap the thumbnail to be sent through **Snapfish**, and then tap **View**.
3. Tap **Menu > Send... > Snapfish**.
4. Select the **Reduce sent photo size to** check box, and then select the required reduction in resolution.
5. Tap **Next**.
6. Enter your Snapfish e-mail address and password, and then tap **Send**.

 **TIP:** Select the **Remember password** check box to store the password associated with the e-mail address. Your password will be automatically entered the next time you upload a photo.

7. Tap **Done**, after the upload completes.

 **NOTE:** If the account name or password is incorrect you will receive an error message and will have to enter the account name and password again.


If you do not have a **Snapfish** account, you can go to <http://m.snapfish.com/> using your HP iPAQ and sign up for an account.

Enhance documents

The document enhancement feature enables you to process an image of a document taken with a camera, such as photos of a business card, magazine, or newspaper, to produce scanner- results.

To use the document enhancement feature:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Select an image.
3. Tap **Menu > Tools > Enhance Document**.
4. Select the following options:
 - **Straighten and crop** – To detect the edges of a document and crop the original document to a rectangular shape.
5. Tap **Start** to begin document processing.


 **NOTE:** The document enhancement feature processes only JPEG images.

Set the screen saver

Use your HP iPAQ to set a slideshow of your images as the screen.

To set the screen saver:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap **Menu > Tools > Screen Saver**.
3. Tap the **Show Screen Saver** check box and specify the duration after which you want to activate the screen saver from the **Launch Screen Saver after** list.
4. Tap the **Effects** tab, and select the **Use Transition effects** check box to choose a transition effect.
5. Tap the **Date/Time** tab to select the date and time display option.
6. Tap **ok**.

 **NOTE:** **HP Photosmart Mobile** automatically displays the slideshow you selected, if your HP iPAQ is inactive while it is connected to the computer with the synchronization software running.

Organize images

Use your HP iPAQ to manage or organize a set of images by moving, copying, or deleting a single image or a set of images.

To organize your images:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap **Menu > Organize**.
3. Tap the images you want to organize or tap **Menu > Select > All** to select all the images.
4. Tap **Menu > Move/Copy** for options of moving or copying the selected images to card or another folder on your HP iPAQ.

5. To select a range of images, tap **Menu > Select > Range**. Next, tap the first image and then tap the last image.
6. To delete the selected images, tap **Menu > Delete**.

Send an image to clipboard

You can copy an image to the clipboard to use it in other programs.

To copy an image to clipboard:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap and hold an image thumbnail.
3. Tap **Move/Copy > Copy to Clipboard** from the menu and choose the appropriate scaling size.

To paste the copied image:

1. Open the document or note where you will paste the image.
2. Tap **Menu > Paste**.

View videos

You can play videos using the HP Photosmart program.

To play videos:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Select the video thumbnail and tap **View**.

Internet Sharing

You can use your HP iPAQ as a wireless modem. The **Internet Sharing** software on your HP iPAQ guides you during the connection process. Insert a data-enabled SIM into your HP iPAQ before setting up **Internet Sharing**. You might also need to install software drivers on to your laptop. Before you begin **Internet Sharing**, make sure you have a cellular connection. If you do not have an active connection you cannot start **Internet Sharing**.

To connect to a computer using a USB data connection

When a Windows Mobile powered device is connected to the computer for the first time, the driver will be installed to enable **Internet Sharing** over USB or RNDIS. If your computer does not automatically add your HP iPAQ as a new modem, you need to manually set up your HP iPAQ for **Internet Sharing**.

To set up a USB modem connection:

1. Make sure that your HP iPAQ is not connected to your computer.
2. Tap **Start > Programs > Internet Sharing**.
3. Scroll and select **USB** from the **PC Connection** list.
4. Scroll and select the type of GPRS connection you want to use from the **Network Connection** list.
5. Now connect your HP iPAQ to your computer with the Micro-USB synchronization cable and tap **Connect**.

To connect to a computer using Bluetooth data connection

Follow the instructions in your synchronization software help for configuring Bluetooth on your computer.

To set up a Bluetooth modem connection:

1. Make sure that your HP iPAQ is disconnected from your computer.
2. Tap **Start > Programs > Internet Sharing**.
3. Scroll and select **Bluetooth PAN** from the **PC Connection** list.
4. Scroll and select the type of GPRS connection you want to use from the **Network Connection** list.
5. Make your HP iPAQ visible and detectable. Connect the Bluetooth PAN to your computer and create a partnership between them.
6. Tap **Connect** after the partnership is established.


Java Virtual Machine

Use the Java Virtual Machine to install and use Java programs on your HP iPAQ. You can download the installers saved as .jar files, from the Internet to your computer and then transfer the files to your HP iPAQ. You can also directly download the installers using your HP iPAQ's GPRS connection.

To install a Java program using the computer:

1. Connect your HP iPAQ to your computer.
2. Copy the .jar file from your computer to your HP iPAQ.
3. Tap **Start > Programs > SUN Java**.
4. Tap **Menu > Install > Install from Local**.
5. Select the .jar file.
6. Tap **Menu > Install**, and accept any confirmations that the installer prompts.

You can also manage the installed Java programs.

 **NOTE:** You might need to use your GPRS/3G/HSPA connection for some software to perform some actions. To configure the Internet connection, tap **Menu > Network Options**, and then select the GPRS connection to use. Although, the connection that appears might be iPAQ GPRS the data connection might be GPRS, 3G, or HSPA. You should only download and install content from trusted Web sites and is compatible with your HP iPAQ.

To...	Do This...
Open a program	Tap the program or tap Menu > Operation > Launch .
Remove a program	Tap Menu > Operation > Delete .
Update a program	Tap Menu > Operation > Update .
Move a program to a folder	Tap Menu > Operation > Move .
Change a program's name	Tap Menu > Operation > Rename .
Activate a program	Tap Menu > Operation > Activate .


To...	Do This...
View details about a program	Tap Menu > Operation > Information .
Set GPRS permissions for a program	Tap Menu > Operation > Set Permissions .

Jetcet PDF 5

View a Portable Document File (a file with a name that ends with the .pdf extension) on your HP iPAQ.

To view a file:


1. Tap **Start > Programs > JETCET PDF 5**.
2. Select a folder from the **Folder** list.
3. Tap the file from the list.

 **NOTE:** To open a file when another is already open, tap **Open** and then browse for the file.

 **TIP:** Use the scroll bars or the navigation keys to scroll through the file.

To set the zoom level:

1. Tap **Menu > View > Tools**.
2. Use the options to zoom or enter the zoom required level in the box.

 **TIP:** Tap the settings icon displayed on the screen and select a zoom level.

To print the file:

1. Tap **Menu > Print...**
2. Select the printer, paper size, tap **Next**, and follow the on-screen information to print the file.

To set preferences for **Jetcet PDF**:

1. Tap **Menu > Preferences...**
2. Select the required preferences.
3. Tap **Done**.

To close a file:

- ▲ Tap **Menu > Close**.

To view information about Jetcet PDF:

- ▲ Tap **Menu > About...**

To close Jetcet PDF:

- ▲ Tap **Menu > Exit**.

Jetcet Print 5

Use **Jetcet Print 5** to print information from your HP iPAQ to a compatible printer using Bluetooth, Wi-Fi, or USB. You can print .doc, .xls, .jpg, .bmp, and .html files, configure printers, and manage your print jobs.



NOTE: Make sure that Wi-Fi is on before configuring a network printer. To turn on Wi-Fi using **Wireless Manager**, see [Use Wireless Manager on page 65](#).

To configure a printer using Wi-Fi:

1. Tap **Start > Programs > JETCET PRINT 5**.
2. Tap **Add Network Printer**.
3. Enter the IP address of the printer or the domain name in the **Printer IP Address or Domain Name** box.
4. Tap **Next**.
5. Configure the required settings and tap **Done**.

Make sure that Bluetooth is on before configuring a Bluetooth printer. To turn on Bluetooth using **Wireless Manager**, see [Use Wireless Manager on page 65](#)

To configure a printer using Bluetooth:

1. Tap **Start > Programs > JETCET PRINT 5**.
2. Tap **Add Bluetooth Printer**.
3. Tap **Select to search...**
4. Tap the printer to print and tap **Next**.
5. Configure the required settings and tap **Done**.

Make sure that your HP iPAQ is connected to printer using the Micro-USB before configuring a USB printer.

To configure a printer using USB:

1. Tap **Start > Programs > JETCET PRINT 5**.
2. Tap **Add USB Direct Printer**.
3. Enter the printer name in the **Printer Nickname** text box.
4. Tap **Yes** to print a test page.
5. Tap **Finish**.

To print using **Jetcet Print**:

1. Tap **Start > Programs > JETCET PRINT 5**.
2. Tap **Menu > Go to...**
3. Tap the file type to print:
 - **Documents** - Print documents stored on your HP iPAQ or the storage card.
 - **Pictures** - Print pictures stored on your HP iPAQ or the storage card.
 - **Messages** - Print messages received on your HP iPAQ.
4. Tap the file you want to print and then tap **Print**.



NOTE: To print an e-mail message, download the full message on your HP iPAQ before printing the message.

To update the drivers and change spool folder:

1. Tap **Start > Programs > JETCET PRINT 5**.
2. Tap **Menu > Tools**.
3. Tap **Update Drivers** to update the drivers on your HP iPAQ and **Spool Folder** to change the location of the spool folder.

To view information about **Jetcet Print**:

- ▲ Tap **Menu > Help > About...**

To close **Jetcet Print**:

- ▲ Tap **Menu > Exit**.

Microsoft® Office Mobile

Your HP iPAQ has Office Mobile programs installed on it to work with Microsoft® Office Word® Mobile, Microsoft® Office Excel® Mobile, Microsoft® Office PowerPoint® Mobile, and Microsoft® Office OneNote® Mobile files on your HP iPAQ. You can create and edit Word and Excel files, however, you can only view PowerPoint files.

Use Word Mobile

View and edit documents and templates in **Word Mobile**.

Use Word Mobile for these tasks:

- Edit word documents and templates.
- Open and edit Pocket Word (*.psw) documents

To access **Word Mobile**, tap **Start > Programs > Office Mobile > Word Mobile**.

These options are available when you tap **Menu**:

- Create a document or edit an existing document.
- Format a document.
- Check spelling and count words in a document.
- Save, move, rename, or delete a document.
- Send a document through e-mail or Bluetooth.

Use Excel Mobile

Use **Excel Mobile** to create, view, and edit workbooks and templates on your HP iPAQ.

Use Excel Mobile for these tasks:

- View, edit, and create charts and graphics, which can be embedded as objects in a worksheet or placed on a separate worksheet.
- Enter formulas and functions, and then filter data to see a subset of information.
- Split panes to view different parts of a worksheet at the same time.
- Freeze the top and left-most panes in a worksheet to keep row and column labels or other data visible as you scroll through a sheet.

To access **Excel Mobile**, tap **Start > Programs > Office Mobile > Excel Mobile**.

To access options for organizing and formatting a worksheet, open a worksheet and tap **Menu**. In addition to **Cut**, **Copy**, and **Paste**, there are other options available in **Menu**:

- Paste cells using **Edit > Paste Special...**
- Clear the cell contents and the formats applied to cells.
- Insert cells, charts, symbols, and functions, and define names in a workbook.
- Set dimensions for rows and columns. Align cells, set font and style for the text, and set cell borders.
- Create worksheets and save, rename, or delete existing worksheets.
- Send a worksheet through e-mail or Bluetooth.

Use PowerPoint Mobile

Use **PowerPoint Mobile** to view slide show presentations.

Use PowerPoint Mobile for these tasks:

- Open a presentation from an e-mail message.
- Download a presentation from the Internet.
- Copy a presentation to your HP iPAQ storage card.



NOTE: Slide shows created in *.ppt or *.pps format with PowerPoint '97 and later can be viewed on your HP iPAQ.

The following PowerPoint features are not supported on your HP iPAQ:

- Notes written for slides are not visible.
- **PowerPoint Mobile** is a viewer-only program and cannot be used to rearrange or edit slides.

To access **PowerPoint Mobile**, tap **Start > Programs > Office Mobile > PowerPoint Mobile**.

These options are available when you tap **Menu**:

- Set up a slide show.
- Rename, move, delete, or create a copy of a presentation.
- Send a presentation through e-mail or Bluetooth.

Use OneNote Mobile

Create and edit notes on your HP iPAQ using OneNote Mobile.

Use OneNote Mobile for these tasks:

- Format text in notes.
- Insert text, pictures, or audio in your notes.

To access OneNote Mobile, tap **Start > Programs > Office Mobile > OneNote Mobile**.

The following options are available when you tap **Menu**:

- Delete, rename, and set options for sorting notes.
- Undo and redo actions performed while working with a note.

- Cut, copy, and paste content from one note or program to another.
- Format the text inserted in a note.
- Add a numbered or bulleted list in a note.
- Insert pictures using the camera or from the HP iPAQ.
- Insert a voice recording in a note.

Notes

You can store information in the form of notes on your HP iPAQ.

Write a note

To write a note:

1. Tap **Start > Programs > Notes**.
2. Tap **New**.
3. Write your text on the screen using the keyboard.
4. When finished, tap **Done** to return to the note list.

To select handwritten text, tap and hold next to the writing. As soon as dots appear and before they form a complete circle, quickly drag across the writing.

If a letter crosses three ruled lines, it is treated as a drawing rather than text.


Voice notes

The notes program allows you to record, keep, and send audio notes or memos. You can create a stand-alone recording, which is recording a note without actually writing it, or you can add a recording to a note.

Create voice notes


You can create stand-alone recording (voice note) or add a recording to a note using the notes program.

To create a stand-alone recording (voice note):


1. Tap **Start > Programs > Notes**.
2. From the note list, tap the  (Record) icon.



NOTE: If the **Recording** toolbar does not appear, tap **Menu > View Recording Toolbar**.

3. Speak into the microphone.
4. When you have finished recording the note, tap the  (Stop) icon on the **Recording** toolbar.

To add a recording to a note:


1. Tap **Start > Programs > Notes**.
2. Create or open a note, and then tap the  (Record) icon.



NOTE: If the **Recording** toolbar does not appear, tap **Menu > View Recording Toolbar**.

3. Speak into the microphone.

4. When you have finished recording the note, tap the ■ (Stop) icon on the **Recording** toolbar.
5. Tap **ok**.

 **NOTE:** If you are recording in an open note, the 🗣️ (Voice Note) icon is displayed in the note. If you are creating a stand-alone recording, the 🗣️ (Recorded Voice Note) icon is displayed next to the note in the note list.

You can also create a voice note using the **HP Photosmart Mobile** program and attach the note to a picture.

Delete voice notes

To delete a stand-alone recording voice note:

1. Tap **Start > Programs > Notes**.
2. From the note list, tap and hold the note.
3. Tap **Delete**.
4. Tap **Yes**.

To delete a recording within a note:

1. Tap **Start > Programs > Notes**.
2. Open the note with an attached voice recording.
3. Select the 🗣️ (Voice Note) icon. To select the icon, tap and hold next to the icon. As soon as dots appear and before they form a complete circle, quickly drag across the icon.
4. Tap and hold the 🗣️ (Voice Note) icon.
5. Tap **Clear**.

Listen to voice notes

To listen to voice notes:

1. Tap **Start > Programs > Notes**.
2. Tap the 🗣️ (Recorded voice note) icon to hear the note.

Rename voice notes

To rename voice notes:


1. Tap **Start > Programs > Notes**.
2. Tap and hold the note to rename.
3. Tap **Rename/Move**.
4. Enter the new name in the **Name** box.
5. Tap **ok**.

Create a copy of a note

To create a copy of a note:

1. Tap **Start > Programs > Notes**.
2. Open the note you want to copy.
3. Select the text on the screen, tap **Menu > Copy**.
4. Open the required note from the note list or a new note to which the selected content is to be copied.
5. Tap **Menu > Paste**.
6. Tap **ok**.

If you paste the contents in a new note, a copy of the note displays in the note list.


 **TIP:** You can also tap and hold a note and select **Create Copy** to copy a note.

Take notes during a call

To create a note during a call:

1. During a call, tap **Menu > Create Note**.
2. Enter your text.
3. Tap **ok**.


To access a note you created during a call:

1. Press the  (Answer/Send) key.
2. On the **Dialer** screen, tap **Call History**.
3. Tap and hold the name or number for the phone call entry containing the note.
4. Tap **View Note**.

A note created during a call can also be accessed from the **Notes** program. The note title is the contact name or the phone number you were connected to when writing the note.

Opera browser

Use the Opera browser to view Web pages on your HP iPAQ. Surf the Web to search for information, check your e-mail messages online, and download software to your HP iPAQ. The Opera browser has a tabbed window feature that can be used to simultaneously navigate multiple Web pages.


 **NOTE:** This feature may not be available in all countries/regions.

To launch the browser, Tap **Start > Programs > Opera Browser**.

To browse Web pages:

- To go to the home page tap the  (Home) icon.

 **NOTE:** To set the home page, tap **^ > Settings > Start Page**.

- To navigate to a Web site, enter a Web address in the address bar and press the  (Enter) key on your keyboard.

- To open a bookmark, tap ★ and tap the bookmark from the displayed list.
- To navigate to the previous Web page, tap ◀.

To use the tab feature:

- To open a new tab, tap ☰ > **New Tab**.
- To switch tabs, tap ☰ and tap the tab name.
- To close an open tab, open the tab and tap ☒.

To work with the browser:

- To view and navigate within a Web page in the full screen mode, tap the stylus on the screen and drag it in the direction you want to scroll.
- To return to the normal mode, tap ☒.
- To adjust settings, tap ^ > **Settings** and select the required settings.
- To manage downloads, tap ^ > **Downloads**.
- To view information about the current Web page, tap ^ > **Page Info**.
- To view history, tap ^ > **History**.
- To view saved pages, tap ^ > **Saved Pages**.
- To view help, tap ^ > **Help**.


To close the browser, tap ^ > **Exit**.

Pocket Internet Explorer

Use the **Pocket Internet Explorer** program to view and download Web pages, browse Web sites through synchronization, and connect to the Internet. Store the Web pages you frequently visit in your **Favorites** page.

To open a link using the **Favorites** page:

1. Tap **Start > Programs > Internet Explorer** to open **Pocket Internet Explorer**.
2. Tap **Favorites** and tap to open the required link.
3. Tap **Menu > Favorites...** to list all your favorite sites and tap **Menu > Add to Favorites...** to add a URL to your favorites list.
4. Tap **Menu > Tools > History...** to display the history.

 **NOTE:** Tap **Menu > Tools > Options...** to change general, memory, and security settings.

You can send any URL as an SMS, MMS, or e-mail by tapping **Menu > Tools > Send Link...**

You can learn more about Pocket Internet Explorer by tapping **Start > Help > Contents > Browse the Web**.

Remote Desktop Mobile

Use the **Remote Desktop Mobile** to log on to a Windows Terminal Server. This facility connects you to all programs installed on the server.

To connect to a Terminal Server:

1. Tap **Start > Programs > Remote Desktop Mobile**.
2. In the **Computer** box, enter a Terminal Server name or TCP/IP address.
3. Enter your user name, password, and domain.
4. Tap **Connect**.

Tap **Options > Display** to set the color options, **256 Colors** or **High Color (16 bit)**. You can view the **Remote desktop display** either in the full screen mode or you can choose to fit the remote desktop to your HP iPAQ screen.



NOTE: After you connect to a terminal server, tap the **Full Screen** option to view the program in the full screen mode.

Tap **Options > Resources** to set the **Remote desktop sound**. You can either select whether to mute the sound, play the sound on the remote computer, or play the sound on your HP iPAQ.

To disconnect from a Terminal Server:

- ▲ Tap **Disconnect**.

Search

The search feature helps you locate files stored on your HP iPAQ. You can search for Calendar, Contacts, Excel Mobile, Help, Messaging, Notes, Outlook Mobile, Tasks, and Word Mobile files. You can also search for files that are larger than 64 KB.

To search for files:

1. Tap **Start > Programs > Search**.
2. Enter the complete or a part of file name in the **Search for** text box.
3. Select a criteria from the **Type** list.
4. Tap **Search**.
5. Tap a file from the search result to open it.

SIM Manager

Access and manage contact details stored on your SIM or USIM (3G SIM) card using the SIM Manager. Copy contacts from the phone to the SIM/USIM or from the SIM/USIM to the phone. To open the SIM Manager, tap **Start > Programs > SIM Manager**.

You can manage your contacts using the SIM Manager.

- To create a contact, tap **New**.
- To view contact details, select the contact, and then tap **Options > Open**.
- To edit contact details, select the contact, and then tap **Options > Edit**.
- To delete a contact, select the contact, tap **Options > Delete**, and then tap **Yes**.
- To select all contacts, tap **Options > Select All**.
- To copy a contact to the phone, select the contact, and then tap **Options > Copy to Contacts**.


- To copy all contacts from the phone to the SIM/USIM, tap **Options > Select All** then tap **Options > Copy to Contacts**.
- To call a contact, select the contact, and then tap **Options > Dial Selected**. If more than one number exists for a contact, select the required number, and then tap **Options > Dial Selected**.
- To send a message to a contact, select the contact, and then tap **Options > Send SMS**.
- To store your personal mobile number on the SIM/USIM tap **Options > My Mobile Numbers**.
- To close SIM Manager, tap **Options > Quit**.


Task Manager

Use the Task Manager to view and manage the tasks running on your HP iPAQ. You can also view the memory and the CPU use.

To view the Task Manager, tap **Start > Settings > System > Task Manager**.


To...	Do This...
Close a program	Tap the program, then tap End Task . NOTE: You cannot end running processes.
Open a program that is running in the memory	Tap the program, then tap Menu > Switch To .
Close all open programs	Tap Menu > End All Tasks .
View all programs running in the memory	Tap Menu > View > Applications .
View all processes running in the memory	Tap Menu > View > Processes .
Change the sorting order	Tap Menu > Sort By , then tap the required field. TIP: You can also tap the column name at the top to sort.
Refresh the list	Tap Menu > Refresh .
Close Task Manager	Tap Menu > Exit .

 **NOTE:** You might not see all programs that are running. Some might be running in the background and consuming processor speed and memory space.

 **TIP:** If your HP iPAQ appears sluggish or slow, check the **Task Manager** and close applications not in use.

Voice Commander

Use the **Voice Commander** program to look up contacts, dial a contact by name, get calendar information, play and control your music, as well as launch programs on your HP iPAQ.

 **TIP:** You can access the **Voice Commander** program by pressing the Voice Commander button or tapping **Start > Programs > Voice Commander**.

To	Say
Call a contact saved in the contact list	Call followed by the name of the contact and home/work/mobile

To	Say
Call the last number dialed	Redial / Callback
Dial a number using speed dial	Speed Dial followed by the digit assigned to the number
Compose a message or e-mail	Compose <SMS / email / audio email> to (Contact)
Read messages or e-mails	Read <SMS / email>
Check Voice mail or call history	Call voice mail / Call history
View appointments	<Today's/Tomorrow's/This Week's> appointments to list the appointments for the day, next day, or the present week
Schedule a call	Schedule a Call To (Contact) to call a contact
Create reminders or to record an audio note	Reminder/Start recording
Find a contact saved in the contact list	Find followed by the name of the contact
View the current time	What time is it?
Open a program	Start followed by the program name
Play, pause, and/or resume music	Play Music/Pause/Resume
Play an existing music file	Play followed by the name of the music file
Play the previous or the next song in the playlist	Previous/Next
View the different set of commands	What can I say?
Close the Voice Commander program	Goodbye

Windows Live

You can use Windows Live on your phone to search information, check your e-mails, and send instant messages. Windows Live provides the same e-mail and chat environment as of the Windows Live on your computer.

Use Windows Live for these tasks:

- Search information on the Web.
- Send and receive e-mails.
- Send and receive instant messages.
- Change your own status or view the status of others on your list.
- Invite others for a chat conversation.
- Block certain contacts from seeing your status or sending you messages.

Tap **Start > Programs > Windows Live** to open the Windows Live program.


To use Windows Live, you need a Microsoft.NET Passport account unless you already have a Windows Live account. To set up a Microsoft.NET Passport account, go to <http://www.passport.net>. After you have an account, you can use the Windows Live feature.

To sign in Windows Live:

1. Tap **Start > Programs > Windows Live**.
2. Tap **Sign in to Windows Live**.
3. Tap **Accept**.
4. Enter your e-mail address in the **E-mail address** box.
5. Select a Web server from the list.
6. Enter your password.
7. Tap **Next**.
8. Tap **Next**.
9. Select the **Sync e-mail** check box.
10. Tap **Next**.
11. Tap **Done**.

After you sign-in, you can access Windows Live™ search and services from the **Today** screen.

To search information:

1. From the **Today** screen, tap **Live Search**.
2. Enter the text for the search.
3. Press the  (enter) key on your keyboard.

To check your e-mails:

1. From the **Today** screen, tap the right or left arrow on the **Windows Live Services** bar until your e-mail account is displayed.
2. Tap the e-mail message to open your Inbox.

To sign in to Messenger:

1. From the **Today** screen, tap the right or left arrow on the **Windows Live Services** bar till **Messenger** is displayed.
2. Tap **Tap here to sign in**.
3. Use the list to select your online status.
4. Tap **Sign in**.

If you do not sign out of Windows Live, you remain on a data connection, which might result in additional charges from your service provider. The session will not time out or end unless one of the following occurs:

- User ends the instant messenger session
- User accepts an incoming voice call
- An outgoing voice call is placed
- The HP iPAQ is turned off or moves out of range

To sign out of Messenger:


- ▲ Tap **Menu > Sign out**.

You can send instant messages from Windows Live to contacts on your messenger list. To send instant messages:

1. Tap the person to whom you want to send an instant message.
2. Enter your message, and tap **Send**.

You can also manage your contacts and control their visibility. To manage contacts in the Windows Live:

- Tap **Menu > Add new contacts** to create a contact.
- Tap **Menu > Contact options > Remove contact** to delete an existing contact.
- Tap **Menu > Contact options > Block contact/Unblock contact** to block or unblock the selected contact from seeing your status and sending you instant messages.

 **NOTE:** Tap **Menu > Options > Add participant** to invite a contact to an ongoing chat. You can also see who is already talking to you or change between chats by tapping **Menu > Options > View participants**.

You can change your status on Windows Live Messenger according to your need. To change your status:


1. Tap and select your name in the contact list.
2. Tap **Menu > Change status**, and navigate to select the required status.

To sign in as a different user:

1. From the **Today** screen, tap the right or left arrow on the **Windows Live Services** bar till **Windows Live** is displayed.
2. Tap your display name.
3. Tap **Menu > Account Options > Switch Windows Live ID**.
4. Tap **Yes**.
5. Proceed with the setup wizard to sign in.


Windows Media Player

Use **Windows Media Player** to enjoy your digital media in new ways both at home and on the go. Using **Windows Media Player**, you can play audio and video files stored on your phone or memory card.

 **NOTE:** Listening to personal stereo equipment at full volume for long periods can damage hearing. To reduce the risk of hearing loss, do not spend much time listening to personal stereo equipment at full volume. HP recommends use of the HP iPAQ Wired Stereo Headset, part number 486112-001, which is included with your HP iPAQ.

Tap **Start > Programs > Windows Media** to open the **Windows Media Player** application.

To play music from the storage card, tap **Start > Programs > Windows Media > Menu > Library...**

 **NOTE:** Protected files are digital media files that are secured with a license to prevent unauthorized use or playback. Licenses are created and managed by using the DRM technology. To learn more about Windows Media DRM 10, protected files, and other features, refer to the on-screen help by tapping **Start > Help > Contents > Use Windows Media Player Mobile**.

Clear the Now Playing List

Tap **Start > Programs > Windows Media > Menu > Library...** and select **Now Playing**.

The **Now Playing** playlist displays the currently playing file and any files that are queued up to play next for future play. You can quickly remove all items from the playlist by clearing the **Now Playing** playlist.

To clear the **Now Playing** list:

- ▲ On the **Now Playing** screen, tap **Menu > Clear Now Playing**.

Update the library


In most cases, **Windows Media Player** automatically updates your libraries. However, you can manually update a library to ensure that it has links to files that you might have recently copied to your HP iPAQ or a removable storage card.

To update a library:

1. If you are not already on the **Library** screen, tap **Menu > Library...**
2. On the **Library** screen, tap **Menu > Update Library...**
3. Wait for the files to be added, and then tap **Done**.


Windows Update

Microsoft releases updates and patches for Windows Mobile. These updates and patches improve the security and functioning of your HP iPAQ. You can use the Windows Update program to download them from the Internet and install them on your HP iPAQ.

 **NOTE:** The program uses your data connection and your service provider might charge you for using this service.

To set up Windows Update:

1. Tap **Start > Settings > System > Windows Update**.
2. Follow the on-screen instructions.
3. Tap **Finish**.


 **NOTE:** You can access and change the settings selected from **Menu > Change Schedule**.

To update using Windows Update:

1. Tap **Start > Settings > System > Windows Update**.
2. Tap **Check Now**.

16 Product specifications

System specifications

 **NOTE:** Not all models described are available in all countries/regions. For more information on specifications for your particular model, on your HP iPAQ, tap **Start > Settings > System > HP Asset Viewer**.

System Feature	Description
Processor	Qualcomm 7201 A 528 MHz ARM 11
Operating system	Microsoft® Windows Mobile 6.1 Professional
Memory	128 MB SDRAM and 256 MB NAND Flash ROM NOTE: Actual available memory might vary.
External power	Power adapter: input 90-264 Vac, 200 mA, 50 to 60 Hz and output +5 Vdc, 1 A USB charger: 5 Vdc, 100/500 mA
Display	2.8" 240x320 TFT LCD with touch screen
SD slot	Supports microSD memory, up to 8 GB, with SDHC
Headphone jack	2.5 mm stereo audio jack for wired headsets
Supported networks	Quad-Band GSM/GPRS/EDGE (850/900/1800/1900MHz) Tri-band UMTS (900/1900/2100MHz) HSPA 3.6/7.2.0 Mbps/ HSUPA 2.0 Mbps
Antenna	Internal Penta Band (850/900/1800/1900/2100)
GPS	Integrated support for XTRA, SUPL and standalone accessories
Battery	1140 mAh Lithium-polymer removable/rechargeable battery
Bluetooth	Bluetooth 2.0, 10 m range (approximately 33 ft) – High-speed, low-power, short-range wireless communication with other Bluetooth devices
Wi-Fi	IEEE 802.11b/g
Phone/Modem	HSDPA (3.5G/3G) – 900/1900/2100 EDGE/GPRS/GSM (2.75G/2.5G/2G) – 850/900/1800/1900
Camera	<ul style="list-style-type: none">3.1 megapixelAuto-focus (10 cm to infinity)5x Digital Zoom with flash LEDVideo recording with audio (max. QVGA)

Physical specifications

	Metric	U.S.
Length	114.5 mm	4.51 inches
Width	57 mm	2.24 inches
Depth	17.4 mm	0.69 inches
Weight	<ul style="list-style-type: none">With battery: 160 gWithout battery: 133 g	<ul style="list-style-type: none">With battery: 5.64 ozWithout battery: 4.69 oz

Operating environment

		Metric	U.S.
Temperature	Operating	0° to 45° C	32° to 113° F
	Non-operating	−40° to 85° C	−40° to 185° F
Relative Humidity	Operating	90 % RH	90 % RH
	Non-operating	90 % RH	90 % RH

17 Guidelines for care and maintenance

It is recommended that you follow these guidelines to enhance the durability of your HP iPAQ.

Use your HP iPAQ appropriately

- Avoid using your HP iPAQ in dusty and extremely high-temperature or low-temperature environments.
- Do not spill water on your HP iPAQ or use it in the rain.
- Avoid removing the battery without first turning off your HP iPAQ.
- Do not apply strong force to your HP iPAQ or treat it roughly.
- Keep the HP iPAQ and its accessories away from children.
- Do not insert metal objects into the Micro-USB port of your HP iPAQ. This can short-circuit the battery.

Clean your HP iPAQ

- Use a soft, clean, and slightly moistened cloth to clean your HP iPAQ. Do not let water come into contact with your HP iPAQ.
- Do not wipe your HP iPAQ with any corrosive liquid or coarse objects. This can damage the outer surface.

Carry or store your HP iPAQ

- Do not leave your HP iPAQ in extreme high-or-low temperature environments.
- Remove the battery from your HP iPAQ if it is not going to be used for a long period of time. Store the HP iPAQ and its battery in a cool, dark, and dry place.
- To prevent breaking the display screen, do not carry the HP iPAQ in a back pocket of clothing.

Use accessories

- Use original HP batteries and chargers to charge with your HP iPAQ.
- Do not use your HP iPAQ battery and charger for other purposes.
- For information about accessories for your HP iPAQ, go to <http://www.hp.com>, and then go to **Home and Home office > Handhelds & Calculators > iPAQ accessories**.

18 Frequently asked questions

People often face the same types of issues. This list of issues and resolution addresses some of those. Before calling customer support or sending your device for replacement, try to find the explanation here.

Battery

Question	Answer
I am having trouble turning on my HP iPAQ. What should I do?	<p>Your HP iPAQ battery seems to be causing the problem. Perform the following checks:</p> <ul style="list-style-type: none">• Is the battery charged? If the LED on your HP iPAQ is flashing red, it indicates a low battery charge. For best results, charge the battery fully. The solid green LED display indicates full battery charge.• Is the battery correctly installed? Make sure that the battery connectors on the battery are aligned with the housing pins in the battery compartment. For more information, see Step 2: Install the battery and replace the battery cover on page 8.• Are the battery connectors on the battery and housing pins in the battery compartment clean? If these appear to be soiled, contact your dealer to get them cleaned.• Try charging your battery using the AC adapter. For more information, see Step 3: Charge the battery on page 9.

Question	Answer
How can I improve the standby time and talk time on my HP iPAQ?	<p>Follow these guidelines to improve the standby and talk times on your HP iPAQ.</p> <ul style="list-style-type: none"> • The HP iPAQ might consume more power when the signal reception is poor. Try to move to an open location when you use your HP iPAQ. • If you are using the Push e-mail service, a service that continuously checks for e-mail messages with the Web server, disable it as it consumes excessive battery and reduces the standby time. • If you are using a new battery, it might take several charging and discharging cycles to reach its optimal capacity. Use the HP iPAQ after charging the battery completely. The solid green LED display indicates full battery charge. • Do not overcharge or completely discharge the battery, as it might damage the battery and reduce the standby and talk time. • If your battery is very old, replace it with a new one. • Avoid using the HP iPAQ in very high-temperature or low-temperature environments. The efficiency of a battery can be affected by extreme temperature conditions. To know more about the operating temperatures on your HP iPAQ, see Operating environment on page 110.
I have trouble charging my battery. What should I do?	<p>If you have trouble charging your battery, perform the following checks:</p> <ul style="list-style-type: none"> • Is the battery charger correctly plugged into the Micro-USB connector on the HP iPAQ? To know more about charging the battery, see Step 3: Charge the battery on page 9 • Is the power cord of the charger damaged? • Is the battery charging slowly? If yes, set the HP iPAQ to Fast Charge. To know more, see Change the power management settings on page 23. • Is the battery very old? If yes, replace with a new battery and try again. • Check the LED indicator on your HP iPAQ. If the battery is low and the HP iPAQ is being charged the LED display is solid red. • Check the LED indicator on your HP iPAQ. If the battery temperature is too high or too low, the LED displays solid orange to indicate a device error.

Connection

Question	Answer
I am unable to make or receive calls. How do I fix this?	<p>If you have problems making or receiving calls, perform the following checks:</p> <ul style="list-style-type: none">• Is the SIM is inserted correctly? Remove and reinsert the SIM in your HP iPAQ.• Is the reception of the network signal good? You might be in a closed area. Move to an open space or closer to a window. For more information, see Check connection and signal strength on page 29.• Is the network set up correctly? If necessary, try to select your network manually.• Have you activated the Fixed Dialing, Call Forwarding, and Call Barring functions? If yes, deactivate them temporarily.• Are you using two SIM cards, one with the Enable SIM PIN function activated and the other with the Enable SIM PIN function deactivated? If yes, deactivate the Enable SIM PIN function temporarily. For more information, see Change the SIM PIN on page 33.• Is your HP iPAQ switched to the Flight mode? If yes, turn it off. For more information, see Use Wireless Manager on page 65.
Why do my calls keep disconnecting?	<p>This could be a result of poor signal strength. If you have this problem, check the following issues:</p> <ul style="list-style-type: none">• Is the reception of the network signal good? You might be in a closed area. Move to an open space or closer to a window. For more information, see Check connection and signal strength on page 29.• Try to select your network manually.• Contact your service provider to make sure that the network has been set up correctly and that necessary service is available.
I have trouble connecting to the Internet. What should I do?	<p>If you have trouble connecting to the Internet, perform the following checks:</p> <ul style="list-style-type: none">• Is the reception of the network signal good? You might be in a closed area. Move to an open space or closer to a window. For more information, see Check connection and signal strength on page 29.• Make sure you have subscribed for a data service from your service operator.• Make sure you specified correct setting parameters, such as VPN and IP addresses, in the data profile setup.• If you are using Wi-Fi, move closer to the hotspot and then check the settings with your network administrator.



Question	Answer
I cannot hear calls clearly. How do I resolve this?	<p>Is the reception of the network signal good? You might be in a closed area. Move to an open space or closer to a window. For more information, see Check connection and signal strength on page 29.</p> <p>If you cannot hear the call clearly, the volume might be too low. Increase the volume.</p>
When I answer calls on my HP iPAQ, the caller cannot hear my voice clearly. What could be the problem?	<p>Is the reception of the network signal good? You might be in a closed area. Move to an open space or closer to a window. For more information, see Check connection and signal strength on page 29.</p> <p>During a call, if the caller cannot hear your voice clearly, make sure you have turned off the in-call mute function.</p>
I cannot send an SMS or MMS. What do I do?	<p>If you have problem sending an SMS or MMS, perform the following checks:</p> <ul style="list-style-type: none"> • You should have at least 1.5 MB to 2 MB of free memory space on your HP iPAQ so that the device operates efficiently. To check the free memory space, tap Start > Settings > System > Memory. • Is the reception of the network signal good? You might be in a closed area. Move to an open space or closer to a window. For more information, see Check connection and signal strength on page 29. • Try to select your network manually. • Contact your service provider, to determine if the service is available in your country/region. Also verify your data plan with your service provider and make sure that the network has been set correctly.
I cannot use certain call functions. What should I do?	<p>To use certain advanced call functions, such as Call Forwarding and Call Barring, you might need to subscribe to these services from your service operator. Contact your provider to determine this.</p>
Why do I hear noises in the background during a phone call?	<p>You might hear noises in the background if you use your HP iPAQ near electronic equipment, such as microwave oven, speakers, or a television set. Avoid using your HP iPAQ near such items to prevent adverse effect on the voice quality.</p>
Which factors degrade the GPS signal and affect accuracy?	<p>The GPS signal slows down when these situations exist:</p> <ul style="list-style-type: none"> • It reflects off objects such as tall buildings or large rock surfaces before reaching the receiver. Performance is impacted when the HP iPAQ is used inside vehicles having thermal glass windshields. The thermally shielded glass blocks the GPS signal from reaching the HP iPAQ. • You are indoors, underwater, or underground. • You are running multiple programs while connecting.

Synchronization

Question	Answer
I cannot synchronize my HP iPAQ with my computer. What should I do?	<p>To use the ActiveSync feature with Windows XP, upgrade your computer to the latest version of ActiveSync. It is recommended to use ActiveSync V4.5 or later.</p> <p>To use the WMDC feature with Windows Vista, upgrade your computer to the latest version of WMDC. It is recommended to use WMDC V6.1 or a later.</p> <p>Visit http://www.microsoft.com/downloads for the latest versions.</p> <p>Check if advanced functions are enabled using the USB to PC program. For more information, see Connect to a computer on page 24.</p>
My HP iPAQ was connected while I was installing WMDC. Why does WMDC not launch even after installation?	In some cases after an upgrade, you need to disconnect and reconnect the HP iPAQ before WMDC can start.
Can I set up an active connection between my HP iPAQ and a computer using Bluetooth for the first time?	No, the initial connection between your HP iPAQ and the computer needs to be created only through a Micro-USB synchronization cable using ActiveSync for Windows XP and WMDC for Windows Vista. After this initial connection, you will be able to set up Bluetooth for future connections.

Miscellaneous

Question	Answer
Why does the HP iPAQ seem sluggish sometimes?	<p>You should have at least 1.5 MB to 2 MB of free memory space on your HP iPAQ so that the device operates efficiently. To check the free memory space, tap Start > Settings > System > Memory.</p> <p>Remember to delete or transfer e-mail messages and pictures on your HP iPAQ to your computer to free available memory space.</p> <p>If you have many programs running on your HP iPAQ, quit some programs to free memory. For more information, see Access programs on page 19.</p>

Question	Answer
My HP iPAQ becomes very hot when I use it. What has happened?	<p>It is normal for the HP iPAQ to get a little warm when you use it continuously for prolonged periods, especially when making calls of very long duration or placing a heavy demand on the HP iPAQ when using GPS. Your HP iPAQ might also get a little warm when you charge it.</p>
How do I reset my HP iPAQ?	<p>You might need to reset your HP iPAQ if it does not respond to your pressing a button or tapping on the screen. You can perform a soft reset or a hard reset, also known as a factory restore, on your HP iPAQ.</p> <p>A soft reset stops all running programs, but does not erase any programs or saved data. Be sure to save any unsaved data within a running program before performing a soft reset.</p> <p>A hard reset or factory restore clears all the user-installed settings, programs, and data, and restores your HP iPAQ to factory settings. Be sure to save any important data to an external memory source before performing a hard reset or factory restore as all your data will be erased.</p> <p>CAUTION: If you perform a hard reset or factory restore, you will lose all the data stored on your HP iPAQ.</p> <p>To perform a soft reset:</p> <ul style="list-style-type: none"> Remove and re-insert the battery in your HP iPAQ. No data is lost during a soft reset. After a soft reset, turn on your HP iPAQ. <p>To perform a factory or hard reset:</p> <ul style="list-style-type: none"> Hold the  (Answer/Send key),  (End key), and Camera keys when you turn on the HP iPAQ. <p>The HP iPAQ restarts and turns on. If the hard reset is successful you will see the words Clean boot when the HP logo appears.</p> <p>In addition, you can tap Start > Settings > System > Factory Restore. Follow the instructions on the screen to perform a factory restore or hard reset.</p>

19 Optional accessories

Accessories such as extended batteries, protective cases, and car cradles are stylish to use and make your HP iPAQ comfortable to use. You can also purchase optional accessories if you accidentally misplace or damage the ones that came with the device. For additional information, go to <http://www.hp.com>.


Accessory	Description
Power and Synchronization	
iPAQ Data Messenger Extended Battery	<ul style="list-style-type: none">• Always have a spare battery and you will never be without power while on the go.• This extended battery provides additional power to extend the life of your HP iPAQ between charges.• This replaceable, rechargeable Li-Polymer battery is a genuine HP product you can trust.
iPAQ Data Messenger Standard Battery	<ul style="list-style-type: none">• Always have a spare battery and you will never be without power while on the go.• This replaceable, rechargeable Lithium-polymer battery is a genuine HP product you can trust.
HP iPAQ Sync/Charge Cable Micro-USB	<ul style="list-style-type: none">• Keep your HP iPAQ charged and up-to-date when on the go.• Portable solution for charging and synchronizing your HP iPAQ with your computer.
Audio	
HP iPAQ Wired Stereo Headset-2.5 mm ^x	<ul style="list-style-type: none">• Listen to calls in private or enjoy music or video from your HP iPAQ.• High-fidelity sound for your HP iPAQ music and videos.

¹ ^xListening to personal stereo equipment at full volume for long periods can damage the user's hearing. In order to reduce the risk of damage to hearing, lower the volume and amount of time listening at full volume.

20 Safety information

To reduce the risk of bodily injury, electric shock, fire, and damage to the equipment, observe the safety precautions in this document.

General precautions

Heed service markings: Except as explained elsewhere in your product documentation, do not service your product yourself. Opening or removing covers that are marked  may expose you to electric shock. For service information on components inside these compartments, call Customer Care.

Request service for damaged products: Turn off the product, unplug it from the electrical outlet, and request service from a service partner under the following conditions:

- The power cord or plug is damaged.
- Liquid has been spilled into the product.
- An object has fallen into the product.
- The product has been exposed to rain or water.
- The product has been dropped or damaged.
- There are noticeable signs of overheating.
- The product does not operate normally when you follow the operating instructions.

Avoid hot areas: The product should be placed away from heat sources such as radiators, heat registers, stoves, and other products (such as amplifiers) that produce heat.

Allow the product to cool: Allow the product to cool before removing covers and touching internal components.

Avoid wet areas: Never use the product in a wet location.

Avoid inserting objects into product: Never insert objects of any kind into slots or other openings in the product.

Avoid blocking vents: Slots and openings are provided for ventilation. To prevent overheating, do not obstruct vents. Using a computer on a soft surface, such as a pillow, blanket, rug, or thick clothing may block airflow.

Clean the product properly: Unplug the product from the wall outlet before cleaning it. Do not use liquid cleaners or aerosol cleaners. Use a soft cloth dampened with water for cleaning exterior components, but NEVER apply water directly to the product or to an LCD screen.

Use recommended mounting accessories: Do not use the product on an unstable table, cart, stand, tripod, or bracket. Mount the product according to the manufacturer's instructions, and use a mounting accessory recommended by the manufacturer.

Use the product with approved equipment: Use your product only with the computers and accessories identified as suitable for use with your product.

Adjust the volume: Turn down the volume before using headphones or other audio devices.

Safety precautions for power cords and accessories

⚠ **WARNING!** To reduce the risk of electric shock, fire, or damage to the equipment, do not attempt to power the product with a voltage converter kit sold for appliances.

Use the correct external power source: A product should be operated only from the type of power source indicated on the electrical ratings label. If you are not sure of the type of power source required, call Customer Care, your service partner, or local power company. For a product that operates from battery power or other sources, refer to the operating instructions that are included with the product.

Avoid overloading the electrical circuit: Do not overload an electrical outlet, power strip, or convenience receptacle. The overall system load must not exceed 80% of the branch circuit rating. If power strips are used, the load should not exceed 80% of the input rating of the power strip.

Observe extension cord ratings: If an extension cord or power strip is used, make sure that the cord or strip is rated for the product and that the total ampere ratings of all products plugged into the extension cord or power strip do not exceed 80% of the ampere rating limit of the extension cord or power strip.

Use an approved AC adapter: Only the AC adapter provided with the product, a replacement AC adapter provided by HP, or an AC adapter purchased as an accessory from HP should be used with the product.

Use an approved power cord: If you were not provided with a power cord for your product, you should purchase a power cord that is approved for use in your country.

The power cord must be rated for the product and for the voltage and current marked on the electrical ratings label of the product. The voltage and current rating of the cord should be greater than the voltage and current rating marked on the product. In addition, the diameter of the wire must be a minimum of 0.75 mm²/18AWG, and the length of the cord should be between 1.5 meters (5 feet) and 2 meters (6.5 feet) long. If you have questions about the type of power cord to use, call Customer Care.

Position the power cord carefully: Route the power cord so that it will not be walked on, tripped over, or pinched by items placed upon or against it. Pay particular attention to the plug, electrical outlet, and the point where the power cord exits the product.

Plug power cord into the proper outlet: Plug the product into an electrical outlet that is easily accessible at all times. If the product is a 3-wire grounding type, be sure the outlet is the proper grounded (earthed) type. Do not disable the power cord grounding plug because it is an important safety feature.

Unplug the power cord properly: Disconnect power from the product by unplugging the power cord from the electrical outlet. Do not pull on cords and cables. When unplugging the cord from an electrical outlet, grasp and pull the cord by the plug.


Safety precautions for battery packs

⚠ **WARNING!** To reduce the risk of fire or burns, do not disassemble, crush, or puncture a battery pack; short the external contacts on a battery pack; or dispose of a battery pack in fire or water. Do not expose a battery pack to high temperatures above 60°C (140°F). Replace only with a battery pack approved for this computer.

WARNING! There is a danger of explosion if a battery pack is incorrectly replaced. Replace it only with an approved battery pack for this product.

WARNING! Keep battery packs away from children.

Handle battery packs carefully: Replace a battery pack only with a battery pack approved for this product. For information about removing a battery pack, refer to your product documentation.


 When a battery pack has reached the end of its useful life, do not dispose of the battery pack in general household waste. Follow the local laws and regulations in your area for computer battery pack disposal.

In Europe, dispose of or recycle the battery packs by using the public collection system or by returning them to HP, your service partner, or their agents.


Safety precautions for docking devices

Avoid unstable mounting: Do not place a monitor with an unstable base or a monitor heavier than 25 kilograms (55 pounds) on top of a monitor stand, unless the monitor stand is marked for use with a heavier monitor. Instead, place the monitor on a work surface next to the docking device.

Safety precautions for products with wireless devices

 **WARNING! Exposure to radio frequency radiation.** The radiated output power of wireless devices is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact during normal operation is minimized. To avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna should not be less than 20 cm (8 inches) during normal operation.

Safety precautions for products with modems, telecommunications or local area network accessories

 **WARNING!** To reduce the risk of fire, electric shock, and injury to persons when using this device, always follow basic safety precautions, including the following:

- Do not use this product near water—for example: near a bathtub, washbowl, kitchen sink or laundry tub; in a wet basement; or near a swimming pool.
- Avoid using this product during an electrical storm. There is a remote risk of electric shock from lightning.
- Do not use this product to report a gas leak while in the vicinity of the leak.
- Always disconnect the modem cable before opening the equipment enclosure or touching an uninsulated modem cable, jack, or internal component.
- If this product was not provided with a telephone line cord, use only No. 26 AWG or larger telecommunication line cord in order to reduce the risk of fire.
- Do not plug a modem or telephone cable into the RJ-45 (network) jack.

21 Regulatory notices

Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by HP may void the user's authority to operate the equipment.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID: B94HHC19C.

Cables

To maintain compliance with FCC Rules and Regulations, connections to this device must be made with shielded cables having metallic RFI/EMI connector hoods.

Declaration of Conformity for Products Marked with the FCC Logo (United States Only)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following 2 conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

If you have questions about the product that are *not* related to this declaration, write to

Hewlett-Packard Company

P. O. Box 692000, Mail Stop 530113

Houston, TX 77269-2000

or call 1-800-HP-INVENT (1-800-474-6836)

For questions regarding this FCC declaration, write to

Hewlett-Packard Company

P. O. Box 692000, Mail Stop 510101

Houston, TX 77269-2000

or call HP at 281-514-3333

To identify your product, refer to the part, series, or model number located on the product.

Canadian Notice

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Avis Canadien

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

European Union Notice

Products bearing the CE marking comply with the following EU Directives:

- Low Voltage Directive 2006/95/EC
- EMC Directive 2004/108/EC

CE compliance of this product is valid only if powered with the—correct CE—marked AC adapter provided by HP.

If this product has telecommunications functionality, it also complies with the essential requirements of the following EU Directive:

- R&TTE Directive 1999/5/EC

Compliance with these directives implies conformity to harmonized European standards (European Norms) that are listed in the EU Declaration of Conformity issued by HP for this product or product family. This compliance is indicated by one of the following conformity markings placed on the product.

- This CE marking is valid for non-telecommunications products and for EU harmonized telecommunications products, such as Bluetooth®.



- This CE marking is valid for EU non-harmonized telecommunications products.



*If applicable, a notified body number is used. Refer to the regulatory label provided on this product.

Hewlett-Packard GmbH, HQ-TRE, Herrenberger Strasse 140, D-71034 Böblingen, Germany

The telecommunications functionality of this product may be used in the following EU and EFTA countries:

Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, and United Kingdom.

The official EU CE declaration of conformity for this device may be found at <http://www.hp.com/go/certificates>.

Products with 2.4–GHz Wireless LAN Devices

France

L'utilisation de cet équipement (2,4 GHz Wireless LAN) est soumise à certaines restrictions : Cet équipement peut être utilisé à l'intérieur d'un bâtiment en utilisant toutes les fréquences de 2400 à 2483,5 MHz (Chaîne 1-13). Pour une utilisation en environnement extérieur, les fréquences comprises entre 2400-2454 MHz (Chaîne 1-9) peuvent être utilisées. Pour les dernières restrictions, voir <http://www.arcep.fr>.

For 2.4 GHz Wireless LAN operation of this product certain restrictions apply: This product may be used indoor for the entire 2400–2483.5 MHz frequency band (channels 1–13). For outdoor use, only 2400–2454 MHz frequency band (channels 1–9) may be used. For the latest requirements, see <http://www.arcep.fr>.

Battery Warning

- ⚠ **WARNING!** This HP iPAQ contains a lithium-polymer rechargeable battery. To reduce the risk of fire or burns, do not disassemble, crush, puncture, short external contacts, or dispose of in fire or water. Replace only with the HP spare.
- ⚠ **CAUTION:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Battery Recycling

HP encourages customers to recycle used electronic hardware, HP original print cartridges, and rechargeable batteries. For more information about recycling programs, visit <http://www.hp.com/recycle>.

Battery Disposal

- ⚠ **WARNING!** When a battery has reached the end of its useful life, do not dispose of the battery in general household waste. Follow the local laws and regulations in your area for computer battery disposal.



Chemical substances

HP is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at: <http://www.hp.com/go/reach>.

Disposal of Waste Equipment by Users in Private Household

Disposal of Waste Equipment by Users in Private Household in the European Union



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Equipment Warning

⚠ WARNING! To reduce the risk of personal injury, electrical shock, fire or damage to the equipment:

Plug the AC adapter into an AC outlet that is easily accessible at all times.

Disconnect power from the equipment by unplugging the AC adapter from the AC outlet or unplugging the synchronization cable from the host computer.

Do not place anything on the power cord or any of the other cables. Arrange them so that no one may accidentally step on or trip over them.

Do not pull on a cord or cable. When unplugging from the electrical outlet, grasp the cord by the plug or, in the case of the AC adapter, grasp the AC adapter and pull out from the electrical outlet.

Do not use converter kits sold for appliances to power your HP iPAQ.

Acoustics Warning

⚠ WARNING! Listening to this device at high volume levels and for extended durations may damage one's hearing. In order to reduce the risk of damage to hearing, one should lower the volume to a safe, comfortable level, and reduce the amount of time listening at high levels.



- For your own safety, before using headsets or earphones, always reset the volume. Some headphones are louder than other headphones, even if the volume control setting is the same.
- Changing the default audio or equalizer settings might lead to higher volume and should only be done with caution.
- Headsets or earphones used with this device should comply with the headphone limits in EN 50332-2.
- HP recommends using the headset delivered with your iPAQ (part number 455673-001) that is in compliance with EN 50332-1.

Airline Travel Notice

Use of electronic equipment aboard commercial aircraft is at the discretion of the airline.

Medical Electronic Equipment

If you have a medical condition that requires you to use a pacemaker, hearing aid, or any type of medical electronic equipment, consult the manufacturer of the equipment to determine if the medical equipment is shielded from RF energy. Additionally, please seek advice from your physician about the potential effects of RF interference from your HP iPAQ upon the medical device you are using. Turn off your HP iPAQ in health care facilities or hospitals when there are posted restrictions requiring you to do so.

SAR Notice

THIS DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES.

Your mobile device is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) recommended by international guidelines (ICNIRP). These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit stated in the international guidelines is 2.0 W/kg*. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network.

In general, the closer you are to a base station, the lower the power output of the device. Before a phone model is available for sale to the public, compliance with the European R&TTE directive must be shown. This directive includes as one essential requirement the protection of the health and the safety for the user and any other person. The highest non-FCC SAR value for this device when tested for use at the ear is 0.59 W/kg (10 g). The highest non-FCC SAR value for this device when tested for use at the body is 1.2 W/kg (10 g).

This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned away from the body. When a carry case, belt clip or holder is used for body-worn operation other than the HP belt clip supplied with the product, it should not contain metal.

* The non-FCC SAR limit for mobile devices used by the public is 2.0 watts/Kilogram (W/kg) averaged over ten grams of body tissue. The guidelines incorporate a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band.

Wireless Notices

In some environments, the use of wireless devices may be restricted. Such restrictions may apply aboard airplanes, in hospitals, near explosives, in hazardous locations, etc. If you are uncertain of the policy that applies to the use of this device, please ask for authorization to use it prior to turning it on.

Precaution for the use of the device

To limit exposure to radio frequency (RF) fields, the following precautions should be considered:

- Mobile phone should be used in good reception conditions.
- Headset devices should be used to keep the mobile phone away from head and body.

- During pregnancy, the mobile phone should be kept away from the body.
- Children and adolescents should use the mobile phone far away from their lower body.

U.S. Regulatory Wireless Notice

⚠ WARNING! Exposure to Radio Frequency (RF) Radiation The radiated output power of this device is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact during normal operation is minimized.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

To avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna should be minimized. No metallic body accessories are allowed and 1.5 cm spacing between this equipment and the body must be maintained to satisfy RF Exposure.

This equipment has been tested and demonstrated compliance when Bluetooth, WLAN, and mobile phone are transmitting simultaneously. The highest FCC SAR value for this device when tested for use at the head is 1.04 W/kg and when tested for use at the body is 1.26 W/kg. This equipment must not be co-located or operating in conjunction with any other antenna or transmitter.

Canadian Regulatory Wireless Notice

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Brazilian Notice

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Este equipamento atende aos limites de Taxa de Absorção Específica referente à exposição a campos elétricos, magnéticos e eletromagnéticos de radiofrequências adotados pela ANATEL.

Singaporean Wireless Notice

- Switch off your cellular telephone when in an aircraft. The use of cellular telephones in an aircraft may be dangerous to the operation of the aircraft, disrupt the cellular network, and is illegal. Failure to observe this instruction may lead to suspension or denial of cellular services to the offender, or legal action or both.
- Users are advised not to use the equipment when at a refueling point.
- Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots, chemical plants, or where blasting operations are in progress.
- The use of the Alert device to operate a vehicle's lights or horn on public roads is not permitted.

- It is advised that a handheld microphone or telephone handset should not be used by the driver while the vehicle is moving, except in an emergency. Speak only into a fixed, neck slung or clipped-on microphone when it would not distract your attention from the road.
- As with other mobile radio transmitting equipment, users are advised that for satisfactory operation of the equipment and for the safety of personnel, it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.

Thailand Wireless Notice

เครื่องโทรคมนาคมและอุปกรณ์นี้ มีความสอดคล้องตามข้อกำหนดของ กทช.

22 Quick reference

Acronyms

Acronym	Expansion
A2DP	Advanced Audio Distribution Profile
AGC	Automatic Gain Control
AVRCP	Audio/Video Remote Control Profile
CCX	Cisco Compatible Extensions
CDRH	Center for Devices and Radiological Health
CTM	Cellular Text Telephone Modem
DNS	Domain Name Server
DRM	Digital Rights management
DUN	Dial-up Networking Profile
EDGE	Enhanced Data Rates for GSM Evolution
EMS	Enterprise Mobility Suite
FTP	File Transfer Profile
GAP	Generic Access Profile
GOEP	Generic Object Exchange Profile
GPRS	General Packet Radio Service
GPS	Global Positioning System
HFP	Hands-free Profile
HSDPA	High Speed Download Packet Access
HSP	Headset Profile
ICNIRP	International Council on Non-Ionizing Radiation Protection
IEEE	Institute of Electrical and Electronics Engineers
IMAP4	Internet Message Access Protocol 4
ISP	Internet Service Provider
LAN	Local Area Network
microSD	Micro Secure Digital
MMS	Multimedia Messaging Service
OPP	Object Push Profile
OS	Operating System

Acronym	Expansion
PAN	Personal Area Networking Profile
PBAP	Bluetooth Phone Book Access Profile
PIM	Personal Information Manager
POP3	Post Office Protocol 3
RF	Radio Frequency
RTF	Rich Text Format
SAR	Specific Absorption Rate
SIM	Subscriber Identification Module
SMS	Short Messaging Services
SMS-CB	Short Message Service Cell Broadcast
SMTP	Simple Mail Transfer Protocol
SPP	Serial Port Profile
STK	SIM Toolkit
TNEF	Transport Neutral Encapsulation Format
VPN	Virtual Private Network
WAP	Wireless Access Point
WCDMA	Wideband Code Division Multiple Access
Wi-Fi	Wireless Fidelity
WLAN	Wireless Local Area Network
WMDC	Windows Mobile Device Center

Icons used


















Given below is a list of icons available on your HP iPAQ and used in this guide.

Today screen icons

Icon	Description	Icon	Description
	Speaker		Alarm
	Wireless Manager		Calendar

Camera icons





Icon	Description	Icon	Description
	Images / Recording time balance		Images / Recording time balance

Icon	Description	Icon	Description
	Flash off		Flash on
	Resolution		Exit
	HP PhotoSmart Mobile		Video mode
	Settings		Zoom
	Brightness		Panorama
	Stitch images		Previous
	Next		Camera mode
	Send image		Delete
	Play		

HP PhotoSmart Mobile icons

Icon	Description	Icon	Description
	Sideshow		Sound
	Delete		










MMS icons

Icon	Description	Icon	Description
	Play preview		Smiley
	Favorites		Chat

Notes icons

Icon	Description	Icon	Description
	Voice note		Recorded voice note

General icons

Icon	Description	Icon	Description
	EMS		Previous
	Next		Play
	Stop		Stop (slideshow view)
	Record		Pause
	Input selector		Shift

Icon	Description	Icon	Description
	Shift lock		Function
	Function lock		

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